C
M 89 H
1911-12.

U. OF ILL. REGISTRAR'S OFFICE

THE LIBRARY OF THE UNIVERSITY OF ILLINOIS

Muhlenberg College Bulletin

ALLENTOWN, PA.

Vol. XII FEBRUARY, 1913 No. 2

CATALOGUE

1913

Editorial Committee

President John A. W. Haas, D.D. Dean George T. Ettinger, Ph.D.

Published Quarterly by Muhlenberg College

Entered as second-class matter at the Post Office, Allentown, Pa.

CATALOGUE

OF

MUHLENBERG COLLEGE

ALLENTOWN, PA.

FOR THE

FORTY-SIXTH COLLEGIATE YEAR

1913

ALLENTOWN, PA.
1913

COLLEGE CALENDAR.

1913.

Jan. 6 ..... Christmas Vacation ends.
Jan 21 ..... Semi-annual Board Meeting.
Jan. 27-31 ..... First Term ends; Mid-year Examinations.
Feb 22 ..... Washington's Birthday.
March 20-23 ..... Easter Recess.
May 12-16 ..... Final Examination of Senior Class.
June 2-7 ..... Examination of lower classes for promotion.
June 8 ..... Baccalaureate Sermon.
June 9-10 ..... Examination for admission to the college classes.
June 9 ..... President's Reception to the Senior Class.
June 10 ..... Junior Oratorical Prize Contest, at 10 a. m.
June 11 ..... Society Reunions at 10 a. m.
June 11 ..... Alumni Meeting at 11 a. m.
June 11 ..... Annual Board Meeting, at 1.30 p. m.
June 12 ..... Commencement and Conferring of Degrees, at 10 a. m.

SUMMER VACATION.

1913-1914.

Sept. 11 ..... First Term begins.
Nov. 26-Dec. 1 ..... Thanksgiving Recess.
Dec. 19 ..... Christmas Vacation begins.

1914.

Jan. 5 ..... Christmas Vacation ends.
Jan. 26-30 ..... First Term ends; Mid-year Examinations.
April 9-20 ..... Easter Recess.
June 7-11 ..... Commencement Week.

BOARD OF TRUSTEES.

Term Expires.

*1914	Mr. Enos R. Artman	Philadelphia.
1915	Rev. James L. Becker	Lansdale.
1915	Reuben J. Butz, Esq	Allentown.
1913	Hon. Gustav A. Endlich, LL.D	Reading.
1915	D. D. Fritch, M.D	Macungie.
1913	Rev. Edward T. Horn, D.D., LL.D	Reading.
1914	Rev. C. M. Jacobs	Allentown.
1913	Rev. W. D. C. Keiter, D.D.	Bethlehem.
1913	Mr. Thos. J. Koch	Allentown.
1915	Hon. Cyrus R. Lantz	Lebanon.
1914	Evan B. Lewis, Esq	Philadelphia.
1913	Mr. Chas. F. Mosser	Allentown.
1915	Mr. George K. Mosser	Noxen.
1913	Rev. Oscar E. Pflueger	Womelsdorf.
1915	Samuel N. Potteiger, Esq	Reading.
1915	Rev. J. Chas. Rausch	Allentown.
1914	Mr. Alfred G. Saeger	Allentown.
1914	Hon. Chas. A. Schieren	Brooklyn, N. Y.
1914	Rev. Theodore E. Schmauk, D.D., LL.D.	Lebanon.
1913	Howard S. Seip, D.D.S	Allentown.
1915	Rev. Prof. George F. Spieker, D.D., LL.D.	Philadelphia.
1913	Rev. A. Steimle	Allentown.
1913	Mr. Harry C. Trexler	Allentown.
1915	Rev. John H. Umbenhen, Ph.D	Pottsville.
1914	Rev. J. H. Waidelich	Sellersville.
1914	Rev. Samuel G. Weiskotten, D.D	Brooklyn, N. Y.
1914	Reuben D. Wenrich, M.D	Wernersville.
1915	Rev. J. E. Whitteker, D.D	Lancaster.
1914	Mr. P. H. Wohlsen	Lancaster.
1913	Mr. Edward M. Young	Allentown.

*Deceased

OFFICERS AND COMMITTEES OF THE BOARD.

REUBEN J. BUTZ, ESQ., *President of the Board.*
REV. W. D. C. KEITER, D.D., *Secretary of the Board.*
OSCAR F. BERNHEIM, *Treasurer and Registrar, Allentown, Pa.*

CENTRAL EXECUTIVE COMMITTEE.

REUBEN J. BUTZ, ESQ., *Chairman.*
REV. W. D. C. KEITER, D.D., *Secretary.*
D. D. FRITCH, M.D.
REV. J. A. W. HAAS, D.D., *Ex-officio.*
REV. C. M. JACOBS.
CHAS. F. MOSSER.
REV. J. C. RAUSCH.
HOWARD S. SEIP, D.D.S.
REV. A. STEIMLE.
EDWARD M. YOUNG.

EXAMINATION COMMITTEE.

REV. E. T. HORN, D.D., LL.D., *Chairman.*
REV. W. D. C. KEITER, D.D. REV. J. C. RAUSCH.
REV. C. M. JACOBS.

FACULTY AND INSTRUCTORS.

REV. JOHN A. W. HAAS, D.D.
President's Residence, Campus.

President; Professor of Religion and Philosophy.

A. B., University of Pennsylvania, 1884; A. M., and B.D., University of Pennsylvania, 1887; Graduate Work, University of Leipsic, 1887-88; D.D., Thiel College, 1902.

GEORGE T. ETTINGER, PH.D.
1114 Hamilton Street.

Dean; Professor of the Latin Language and Literature, and Pedagogy.

A. B., Muhlenberg College, 1880; A. M., Muhlenberg College, 1883; Ph.D., New York University, 1891.

REV. WILLIAM WACKERNAGEL, D.D.
626 Chew Street.

Chaplain; Professor of Modern Languages and Literature.

A. M., Muhlenberg College, 1882; D.D., University of Pennsylvania, 1883.

REV. JOHN A. BAUMAN, PH.D.
399 Turner Street.

Professor of Mathematics and Astronomy.

A. B., Muhlenberg College, 1873; A. M., Muhlenberg College, 1876; Ph.D., Muhlenberg College, 1894.

ROBERT C. HORN, A.M.
37 North Fifteenth Street.

Mosser-Keck Professor of the Greek Language and Literature.

A. B., Muhlenberg College, 1900; A. M., Muhlenberg College, 1903; A. M., Harvard University, 1904; Graduate Work, Johns Hopkins University, 1900-1901; Harvard University, 1903-1904; 1907-1908.

WILLIAM H. REESE, M.S.
227 North Fourteenth Street.

Asa Packer Professor Natural and Applied Sciences.

Ph.B., Lafayette College, 1896; M. S., Lafayette College, 1899; Graduate Work, Lafayette College 1897-1902; New York University, 1902-1903; 1908-1909.

(*)

Professor of Music.

ROBERT R. FRITSCH, A.M.
1232 Turner Street.

Instructor in Modern Languages.

A. B., Muhlenberg College, 1900; A. M., Muhlenberg College, 1903; A. M., Illinois Wesleyan University, 1907; Graduate Work University of Pennsylvania, 1910-1912.

HARRY D. BAILEY, A.M.
1734 Chew Street.

Professor of Biology.

A. B., Lafayette College, 1904; A. M., Lafayette College, 1911.

STEPHEN G. SIMPSON, A.M.
1418½ Chew Street.

Librarian; Instructor in English.

A. B., Lafayette College, 1896; A. M., Lafayette College, 1899.

JAMES H. S. BOSSARD, A.M.
507 North Seventh Street.

Instructor in History.

A. B., Muhlenberg College, 1909; A. M., University of Pennsylvania, 1911.

REV. JOHN D. M. BROWN, A.M.
43 Jefferson Street.

Instructor in English.

A. B., Muhlenberg College, 1906. A.M., Columbia University, 1907. Mount Airy Theol. Seminary, 1910.

ALBERT C. H. FASIG, M.S.
42 South Fourteenth Street.

Instructor in Chemistry and Physics.

A. B., Muhlenberg College, 1909; M. S., Muhlenberg College, 1910.

THOMAS KELLY, B. S.
23d and Chew Streets.

Instructor in Physical Education.

B. S., University of Chicago, 1909.

WILLARD D. KLINE, M.D.
24 North Eighth Street.

Examining Physician.

A. B., Muhlenberg College, 1897; A. M., Muhlenberg College, 1900; M. D. Jefferson Medical College, 1901.

(*) To be elected.

SPECIAL LECTURES IN 1912

PROF. WILLIAM B. OWEN, Ph.D., Litt.D.,
LAFAYETTE COLLEGE.

OPENING ADDRESS.

FOUR LECTURES ON ART.

PROF. CHAS. GRAY SHAW, Ph.D., NEW YORK UNIVERSITY.

"SCHOOLS AND SCHOOLMASTERS ABROAD."

PROF. GEORGE MORRIS PHILIPS, Ph.D., PRINCIPAL
WEST CHESTER NORMAL SCHOOL.

"RETROSPECT OF BROWNING."

PROF. FELIX E. SCHELLING, Ph.D., Litt.D., LL.D.
UNIVERSITY OF PENNSYLVANIA.

"MIGHTY ENGLAND: OUR OLD HOME."

Illustrated

WILLIAM ELLIOT GRIFFIS, D.D., LL.D.

"AMERICAN HUMOR: ARTEMUS WARD TO MARK TWAIN."

LEON H. VINCENT, Litt.D.

MUHLENBERG COLLEGE.

This institution was originally called the *Allentown Seminary,* which name it retained until 1864, when, by an Act of the Legislature of Pennsylvania, it was incorporated with full collegiate powers under the title of the "Allentown Collegiate Institute and Military Academy." In the year 1867 its control passed into the hands of a board of trustees, chiefly members of the Evangelical Lutheran Church, who had the charter amended by the Court of Lehigh County, formed themselves into a joint stock company, named the institution MUHLENBERG COLLEGE, after the honored patriarch of the Lutheran Faith in this country, and established a full collegiate course of studies.

Subsequently the institution, by surrender of the stock, and with a charter amended by the proper Court, was put under the direct control of the "Evangelical Lutheran Ministerium of Pennsylvania and Adjacent States." Its trustees are now elected by that body.

LOCATION.

Allentown is beautifully located upon high grounds, a short distance from the confluence of the Jordan Creek and the Lehigh River, fifty-nine miles north of Philadelphia. Few locations combine in a more eminent degree the advantages of accessibility, healthfulness, beautiful surroundings, and adaptation for the pursuit of collegiate study.

The city has frequent and direct communications with New York, Philadelphia, Harrisburg, and the West, and, by the various railroads intersecting here, ready access to all parts of the surrounding country.

COLLEGIATE DEPARTMENT.

TERMS OF ADMISSION.

COURSE IN ARTS.

Candidates for admission to the Freshman Class of the Classical Course, except such as are admitted on certificate from reputable and properly accredited fitting schools, must sustain an examination. The subjects presented for admission must amount in all to 14 points. A point consists of a year's work in a subject of four one-hour periods or five three-quarter hour periods per week; or "of a year's study in a subject representing approximately a quarter of a full year's work." The subjects which may be presented for admission to the Freshman Class, together with the number of points at which each is valued, are given in the following list:

	Points
Latin	3
Advanced Latin	1
Greek	2
Advanced Greek	1
English	3
German	2
Advanced German	1
French	2
Advanced French	1
Mathematics	2½
Advanced Mathematics	½
History, a, b, c, d, each	1
Physics	1
Chemistry	1
Physical Geography	½
Physiology	½
Zoology	½
Botany	½
Astronomy	½

ADMISSION SUBJECTS IN DETAIL.

Greek.—Greek Grammar, and Prose Composition as found in White's First Lessons in Greek, or equivalent, and four books of Xenophon's Anabasis. 2 points.

Advanced Greek.—Homer's Iliad, six books, including Prosody. 1 point.

Latin.—Latin Grammar, and Prose Composition as found in Collar and Daniel's First Latin Book, four books of Cæsar's Commentaries, and six orations of Cicero, including *For the Manilian Law.* 3 points.

Advanced Latin.—Virgil's Æneid, Books I-VI, including Prosody. 1 point.

English.—English Grammar complete and Rhetoric. Applicants must also have read the books in English prescribed by the "Association of Colleges and Preparatory Schools in the Middle States and Maryland," or equivalents, and be examined on them. In place of part or all of this test, the candidate may present a properly attested exercise-book containing compositions and other written work done in connection with the reading of the books.

Requirements for 1913-15 Reprinted from the Official Report of the Committee.

Preparation in English has two main objects: (1), command of correct and clear English, spoken and written; (2) ability to read with accuracy, intelligence, and appreciation.

ENGLISH GRAMMAR AND COMPOSITION.

The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work during the four years. The principles of English composition governing punctuation, the use of

words, paragraphs, and the different kinds of whole composition, including letter-writing, should be thoroughly mastered; and practice in composition, oral as well as written, should extend throughout the secondary school period. Written exercises may well comprise narration, description, and easy exposition and argument based upon simple outlines. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge, and studies other than English, as well as from his reading in literature. Finally, special instruction in language and composition should be accompanied by concerted effort of teachers in all branches to cultivate in the student the habit of using good English in his recitations and various exercises, whether oral or written.

LITERATURE.

The second object is sought by means of two lists of books, headed respectively *reading* and *study,* from which may be framed a progressive course in literature covering four years. In connection with both lists, the student should be trained in reading aloud and be encouraged to commit to memory some of the more notable passages both in verse and prose. As an aid to literary appreciation, he is further advised to acquaint himself with the most important facts in the lives of the authors whose works he reads and with their place in literary history.

READING.

The aim of this course is to foster in the student the habit of intelligent reading and to develop a taste for good literature, by giving him a first-hand knowledge of some of its best specimens. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

With a view to large freedom of choice, the books pro-

vided for reading are arranged in the following groups, from which at least ten items are to be selected, two from each group:

GROUP I.—(For any item of this group an item from any other group may be substituted.) *The Old Testament*—Comprising the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther. *Homer—The Odyssey.* (English translation) With the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII. *Homer*—The Iliad. (English Translation) With the omission, if desired, of Books XI, XIII, XIV, XV, XVII, XXI. *Virgil*—Æneid. (English translation.)

GROUP II.—*Shakespeare*—Merchant of Venice, Midsummer Night's Dream, As You Like It, Twelfth Night, Henry V, Julius Caesar.

GROUP III.—*Defoe*—Robinson Crusoe, Part I. *Goldsmith*—The Vicar of Wakefield. *Scott*—Ivanhoe; or *Scott*—Quentin Durward. *Hawthorne*—The House of the Seven Gables. *Dickens*—David Copperfield; or *Dickens*—A Tale of Two Cities. *Thackeray*—Henry Esmond. *Gaskell (Mrs.)*—Cranford. *George Eliot*—Silas Marner. *Stevenson*—Treasure Island.

GROUP IV.—*Bunyan*—Pilgrim's Progress, Part I. *Addison, Steel, and Budgell*—The Sir Roger de Coverley Papers in "The Spectator." *Franklin*—Autobiography (Condensed.) *Irving*—Sketch Book. *Macaulay*—Essays on Lord Clive and Warren Hastings. *Thackeray*—English Humourists. *Lincoln*—Selections from. Including the two Inaugurals, the Speeches in Independence Hall, and at Gettysburg, the Last Public Address, and Letter to Horace Greeley, along with a brief memoir or estimate. *Parkman*—Oregon Trail. *Thoreau*—Walden, or *Huxley*—Autobiography and Selections from Lay Sermons, including the Addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk. *Stevenson*—An Inland Voyage and Travels with a Donkey.

GROUP V.—*Palgrave*—Golden Treasury (First Series), Books II and III, with especial attention to Dryden, Collins, Gray, Cowper, and Burns. *Gray*—An Elegy in a Country Churchyard, and *Goldsmith*—The Deserted Village. *Coleridge*—The Rime of the Ancient Mariner, and *Lowell*—The Vision of Sir Launfal. *Scott*—The Lady of the Lake. *Byron*—Childe Harold, Canto IV, and The Prisoner of Chillon. *Palgrave*—Golden Treasury (First Series), Book IV, with especial attention to Wordsworth, Keats, and Shel-

ley. *Poe*—The Raven. *Longfellow*—The Courtship of Miles Standish, and *Whittier*—Snow Bound. *Macaulay*—Lays of Ancient Rome, and *Arnold*—Sohrab and Rustum. *Tennyson*—Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur. *Browning*—Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Herve Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City.

STUDY.

This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusione. For this close reading are provided a play, a group of poems, an oration, and an essay, as follows:

Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, and Comus; either Burke's Speech on Conciliation with America, or both Washington's Farewell Address and Webster's First Bunker Hill Oration; either Macaulay's Life of Johnson, or Carlyle's Essay on Burns.

EXAMINATION.

However accurate in subject-matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, or other essentials of good usage.

The examination will be divided into two parts, one of which may be taken as a preliminary, and the other as a final.

The first part of the examination will be upon ten items chosen, in accordance with the plan described earlier, from the lists headed *reading;* and it may include also questions upon grammar and the simpler principles of rhetoric, and a short composition upon some topic drawn from the student's general knowledge or experience. On the books prescribed for reading, the form of the examination will usually be the writing of short paragraphs on several topics

which the candidate may choose out of a considerable number. These topics will involve such knowledge and appreciation of plot, character-development, and other qualities of style and treatment as may be fairly expected of boys and girls. In grammar and rhetoric, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relation of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English which one should know in distinction from current errors.

The second part of the examination will include composition and those books comprised in the list headed *study*. The test in composition will consist of one or more essays, developing a theme through several paragraphs; the subjects will be drawn from the books prescribed for *study*, from the candidate's other studies, and from his personal knowledge and experiences quite apart from reading. For this purpose the examiner will provide several subjects, perhaps five or six, from which the candidate may make his own selections. The test on the books prescribed for study will consist of questions upon their content, form, and structure and upon the meaning of such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

German.—German Grammar as found in Joynes-Meissner's Grammar. The student must also have read 250 to 300 pages of German prose and poetry and must have the ability to translate simple English prose into German (about 100 lessons). Some of the books recommended for reading are Glück Auf, Storm's Immensee, Heyse's L'Arrabbiata, Hauff's Das Kalte Herz, Hillern's Hoeher als die Kirche,

Zschokke's Der Zerbrochene Krug, Gerstaecker's Germelshausen. 2 points.

Advanced German.—As recommended by the Modern Language Association of America, this work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with special reference to the infinitive and the subjunctive), and likewise in word order and word formation. 1 point.

French.—French Grammar. The student must also have read 100 to 175 pages of French in graduated texts and 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches, and must have the ability to translate simple English prose into French. Among the texts that we recommend are: Aldrich and Foster's Grammar, Aldrich and Foster's Reader, Sanderson's Through France and the French Syntax, Bacon's Une Semaine a Paris, Laboulaye's Contes Bleus, Feuillet's Roman d' un Jeune Homme Pauvre. 2 points.

Mathematics.—Arithmetic including the Metric System, Wentworth's Higher Algebra through Quadratics, and Wentworth's Plane Geometry. 2½ points.

Advanced Mathematics.—Solid Geometry. ½ point.

History.—

(a) American History and Civics. 1 point.
(b) Greek and Roman History. 1 point.
(c) English History. 1 point.
(d) General History. 1 point.

Science.—Physical Geography, Physiology, Zoology, Botany and Astronomy will each count one-half point. Chemistry and Physics, if accompanied by laboratory work, will each count one point.

REQUIREMENTS FOR THE A.B. COURSE.

Latin	4	Points
Greek	2	"
English	3	"
German 2 points or French	2	"
Mathematics	2½	"
	13½	"

And at least one-half point from the list given on page 9. Or, if Greek is not offered, at least two and one-half points from the list on page 9.

REQUIREMENTS FOR THE B.S. COURSE.

Latin	3	Points
English	3	"
German 2 points or French	2	"
Mathematics	2½	"
Chemistry or Physics	1	Point
	11½	Points

And at least two and one-half points from the list on page 9.

REQUIREMENTS FOR THE PH.B. COURSE.

Latin	3	Points
English	3	"
German 2 points or French	2	"
Mathematics	2½	"
History	1	Point
	11½	Points

And at least two and one-half points from the list given on page 9.

COURSES OF INSTRUCTION.

There are three courses, under which the various subjects are grouped, the *Classical,* the *Scientific* and the *Philosophical.* With a necessary nucleus of required studies there is combined in the higher classes such a range of electives as may properly be left to the choice of the individual student. But even among electives certain studies are required of or recommended to those who are preparing for theology or medicine. All other students have as wide and free a choice as a liberal or scientific collegiate education, and the attestation which the respective degrees ought justly and historically to give, will wisely permit.

The Course in Arts, ending in the degree A.B., looks to the general liberal culture, which is a prerequisite for any of the learned professions or for specialization of cultural subjects in university work. The studies in the Course in Arts are also those which will most benefit any man seeking a higher education, that is becoming so valuable in any walk of life, and especially the higher business interests of our age.

The Course in Science, ending in the degree B.S., with a broad basis of general knowledge places Modern Languages and Mathematics in the center. It offers a good collegiate preparation for special university work in the Sciences, and is of advantage to the future student of medicine. At the same time it offers a good education for young men who intend devoting themselves to any of the industrial arts.

The Course in Philosophy, ending in the degree Ph.B., is planned in response to a growing demand for a course in which Philosophy, History, Economics and the Modern Languages should hold the most prominent place. This course aims to lay a broad and deep foundation in the subjects con-

sidered essential for a successful career in business or the various professions, while imparting the knowledge, the culture and the training absolutely necessary for the solution of the current problems in philosophy and religion, as well as for the full and satisfactory performance of the daily duties of intelligent citizenship. The course is especially offered and recommended to teachers and young men of more advanced age who have never studied Greek, but otherwise have had sufficient preparation to benefit by the study of the many important subjects so intimately connected with the thought, the culture and the progress of modern life.

Special Courses may be chosen in these departments by those who are qualified to undertake such work with advantage; but this is not generally advisable.

THE COURSE IN ARTS.

Required Studies with Hours.

Freshmen.

FIRST TERM. *Studies.*	*Hours.*	SECOND TERM. *Studies.*	*Hours.*
Religion 1	1	Religion 1	1
Greek 50, 52	4	Greek 51, 52	4
Latin 71, 73	4	Latin 72, 73	4
English 90, 93	3	English 91, 102	3
*German 110 or French 130.	2	German 110 or French 130...	2
History 170	2	History 170	2
Mathematics 200, 201	3	Mathematics 200, 202	3
Physical Education	2	Physical Education	2

Sophomores.

FIRST TERM. *Studies.*	*Hours.*	SECOND TERM. *Studies.*	*Hours.*
Religion 2	1	Religion 2	1
Greek 53	3	Greek 54	3
Latin 74, 77	3	Latin 75, 76	3
English 94, 103	3	English 92, 94	3
German 112 or French 132...	2	German 112 or French 132..	2
History 171	2	History 171	2
Mathematics 203, 204	2	Mathematics 205, 206	2
Chemistry 230, 231	2	Chemistry 230, 231	2
Physical Education	1	Physical Education	1

*If a student enters on Advanced French, he will be required to take German two years.

Juniors.

FIRST TERM.		SECOND TERM.	
Studies.	*Hours.*	*Studies.*	*Hours.*
Religion 3	1	Religion 3	1
Philosophy 20	2	Philosophy 21	2
English 95	2	English 95	2
†History 172 or 174	4	History 172 or 174	4
Physics 220	2	Physics 220	2

Seniors.

FIRST TERM.		SECOND TERM.	
Studies.	*Hours.*	*Studies.*	*Hours.*
Religion 4	3	Philosophy 24	3
English 96 or 97	2	English 96 or 99	2
*History 174	2	History 174	2

THE COURSE IN PHILOSOPHY.

Required Studies with Hours.

Freshmen.

FIRST TERM.		SECOND TERM.	
Studies.	*Hours.*	*Studies.*	*Hours.*
Religion 1	1	Religion 1	1
Latin 71, 73	4	Latin 72, 73	4
English 90, 93	3	English 91, 102	3
German 110, 111	4	German 110, 111	4
French 130	2	French 130	2
History 170	2	History 170	2
Mathematics 200, 201	3	Mathematics 200, 202	3
Physical Education	2	Physical Education	2

Sophomores.

FIRST TERM.		SECOND TERM.	
Studies.	*Hours.*	*Studies.*	*Hours.*
Religion 2	1	Religion 2	1
Latin 74, 77 or French 132	3	Latin 75, 76 or French 132	3
English 94, 103	3	English 92, 94	3
German 112, 113	3	German 112, 113	3
History 171	2	History 171	2
Mathematics 203, 204	2	Mathematics 205, 206	2
Chemistry 230, 231	2	Chemistry 230, 231	2
Physical Education	1	Physical Education	1

†May be postponed to Senior year.
*If not pursued in Junior year.

Juniors.

FIRST TERM.		SECOND TERM.	
Studies.	*Hours.*	*Studies.*	*Hours.*
Religion 3	1	Religion 3	1
Philosophy 20	2	Philosophy 21	2
English 95	2	English 95	2
†History 172 or 174	4	History 172 or 174	4
Economics 190	2	Economics 190	2
Physics 220	2	Physics 220	2

Seniors.

FIRST TERM.		SECOND TERM.	
Studies.	*Hours.*	*Studies.*	*Hours.*
Religion 4	3	Philosophy 24	3
Philosophy 22	2	Philosophy 22	2
English 96 or 97	2	English 96 or 99	2
Sociology 191	2	Sociology 191	2
*History 174	2	History 174	2

THE COURSE IN SCIENCE.

Required Studies and Hours.

Freshmen.

FIRST TERM.		SECOND TERM.	
Studies.	*Hours.*	*Studies.*	*Hours.*
Religion 1	1	Religion 1	1
Latin 71, 73	4	Latin 72, 73	4
English 90, 93	3	English 91, 102	3
German 110, 111	4	German 110, 111	4
French 131	2	French 131	2
History 170	2	History 170	2
Mathematics 200, 201	3	Mathematics 200, 202	3
Physical Education	2	Physical Education	2

Sophomores.

FIRST TERM.		SECOND TERM.	
Studies.	*Hours.*	*Studies.*	*Hours.*
Religion 2	1	Religion 2	1
Latin 74, 77 or French 133	3	Latin 75, 76 or French 133	3
English 94, 103	3	English 92, 94	3
German 112, 113	3	German 112, 113	3
History 171	2	History 171	2
Mathematics 203, 204, 207	4	Mathematics 205, 206, 207	4
Chemistry 230, 231	2	Chemistry 230, 231, 233	4

†May be postponed to Senior year.
*If not pursued in Junior year.

Juniors.

FIRST TERM.		SECOND TERM.	
Studies.	*Hours.*	*Studies.*	*Hours.*
Religion 3	1	Religion 3	1
Philosophy 20	2	Philosophy 21	2
Physics 220, 221	5	Physics 220, 221	5
Chemistry 234, 237	4	Chemistry 234, 237	4
Biology 250	2	Biology 251, 252	2

Seniors.

FIRST TERM.		SECOND TERM.	
Studies.	*Hours.*	*Studies.*	*Hours.*
Religion 4	3	Philosophy 24	3
Physics 222	2	Physics 222	2
Chemistry 239	2	Chemistry 239	2
Biology 253	2	Biology 254, 256	2

Electives.

In the choice of electives the minimum number of hours if added to the required subjects is to be fourteen and the maximum sixteen. The Faculty reserves the right to determine how much may be chosen and what exceptions can be made. The major part of electives should be chosen from one of the related subjects of a group.

Junior Electives.

FIRST TERM.		SECOND TERM.	
Studies.	*Hours.*	*Studies.*	*Hours.*
Greek 55 or 59	1	Greek 55 or 59	1
Greek 56 or 57 or 58	2	Greek 56 or 57, or 58	2
Latin 78, or 83, or 84. or 85, or 86	2	Latin 79 or 83, or 84, or 85, or 86	2
German 114 or 115	2	German 114 or 115	2
French 134 or 135	2	French 134 or 135	2
Spanish 150	2	Spanish 150	2
Italian 160	1	Italian 160	1
Pedagogy 30	2	Pedagogy 31	2
Music 40	1	Music 40	1
English 96, 104	2	English 96, 104	2
English 105, 106	1	English 105, 106	1
Economics 190	2	Economics 190	2

Junior Electives.

FIRST TERM.

Studies.	*Hours.*
Mathematics 208	2
Physiography 211	2
Physics 221 or 222	2
Chemistry 234 or 237	2
Biology 250	3
Agriculture 232	3

SECOND TERM.

Studies.	*Hours.*
Mathematics 208	2
Meteorology 212	2
Physics 221 or 222	2
Chemistry 234 or 237	2
Biology 251, 252	3
Agriculture 232	3

Senior Electives.

FIRST TERM.

Studies.	*Hours.*
Greek 55 or 59	1
Greek 56 or 57 or 58	2
Latin 80, 82, or 83 or 84 or 85 or 86	2
German 116 or 117	2
French 136 or 137	2
Spanish 151	2
Italian 160	1
Philosophy 22	3
Pedagogy 32	2
Aesthetics 23	1
Music 41	1
English 96 or 97, 98 or 101, 104	2
English 105, 106	1
History 173	2
Economics 191	1
Sociology 191	2
Sociology 192	1
Mathematics 209	2
Astronomy 210	2
Agriculture 232	3
Chemistry 235 or 236 or 238 or 239	3
Geology 270	2
General Biology 258	1
Biology 253	3

SECOND TERM.

Studies.	*Hours.*
Greek 55 or 59	1
Greek 56 or 57 or 58	2
Latin 81, 82 or 83 or 84 or 85 or 86	2
German 116 or 117	2
French 136 or 137	2
Spanish 151	2
Italian 160	1
Philosophy 22	3
Pedagogy 33	2
Aesthetics 23	1
Music 41	1
English 96 or 99 or 100, 104	2
History 173	2
English 105, 106	1
Economics 191	1
Sociology 191	2
Sociology 192	1
Mathematics 209	2
Astronomy 210	2
Agriculture 232	3
Chemistry 235 or 236 or 238 or 239	3
Geology 270	2
General Biology 258	1
Biology 254 or 255	3
Biology 256, 257 (for prospective medical students)	3

DEPARTMENTS OF INSTRUCTION.

RELIGION.

THE PRESIDENT AND MR. FRITSCH.

Because it believes an intellectual without a spiritual training to be a grave error, Muhlenberg College strives, throughout its entire course, to secure not only a proper study of religion, but also a consistent practice of it. Convinced also that a vague, general religious knowledge is ineffectual, it imparts and inculcates its instructions loyally and specifically. While the position of Muhlenberg College is conservatively Lutheran, and true to the Church which has founded and endowed it, yet it is by no means narrow or exclusive. The work of each day is begun with worship in the Chapel, attendance at which is expected. Attendance upon the service of some specified church on the Lord's Day is also required, while connection with Sunday-school, as scholar or teacher, is recommended.

In addition, there exists a students' association, with voluntary Bible and Mission Classes, weekly devotional meetings, and monthly public gatherings at which some phase of Christian work is presented by an invited speaker.

1. **An Outline of Biblical History,** giving the historical facts from Genesis to the Babylonian Captivity. Outlines of Bible Study—Steele. Assigned readings of Scripture text. One hour, Freshman required, by Mr. Fritsch.

2. **An Outline of Biblical History,** giving the historical facts from the Babylonian Captivity to Revelation. Outlines of Bible Study—Steele. Assigned readings of Scripture text. One hour, Sophomore required, by Mr. Fritsch.

3. **Biblical Literature.** A literary and historical study of the books of the Bible with a final emphasis on the fact of revelation and its content. Haas, Bible Literature is used in connection with

lectures, and readings in the Bible. One hour, Junior required, by the President.

4. **The Problem of Religion.** This course consists of lectures and discussions on the apologetic basis of religion, and specifically Christianity. It treats of such topics as the nature of religion, the origin of religion, the great typical religions, the conception of God, God and man, God and the world, the problem of sin, the finality of Christianity in a comprehensive manner. Its purpose is to give the student lines of direction in modern discussions on religion, and to serve as an elementary but distinctively Christian course introductory to possible graduate University work in Psychology of Religion, Comparative Religion and Philosophical Theism. Senior required; three hours, first term. President Haas.

5. **The Elements of Religion** will be discussed every year in a series of lectures either on "The Augsburg Confession," or on Luther's Smaller Catechism or on some other confessional writing of our Lutheran Church. The name of the lecturers will be announced in due time. Required of all Lutherans; elective for others.

PHILOSOPHY.

THE PRESIDENT.

The purpose of the courses in Philosophy is to develop the power of clear reasoning and accurate statement, to show the value of philosophical system, familiarize with philosophical terms and indicate the movement of philosophical thought.

The study of Psychology is to prepare for a general understanding of the relation of mind and body. The course in Logic is to show the underlying principles of thought and science. History of Philosophy presents the great philosophical problems in their historic connections. Aesthetics is to give an insight into the ideals and principles of the beautiful. Ethics is the necessary supplement to general philosophical study, but also has important practical bearings. All these courses look only to general principles, but prepare for detailed post-graduate university work.

20. **Psychology.** The problems of the distinction of psychology and physiology, sensations, perceptions, feeling, thought, volition, the

self, etc., are studied in outline, preparing for larger, fuller work. Two hours, first term, Junior required. Pillsbury, Essentials of Psychology. (Lectures and parallel references to James, Judd, Angell, Seashore.)

21. **Logic.** This course embraces the principles of deductive and inductive logic. It discusses the concept, judgment, division, classification, syllogisms, fallacies; agreement, difference, causation, hypothesis, analogy, probability, etc. Two hours, second term, Junior required. Logic Deductive and Inductive, John Grier Hibben; and parallel references particularly to the new logic.

22. **History of Philosophy.** A more intensive course in Greek philosophy on the basis of Cushman, History of Philosophy, Vol. I. Lectures, readings, and discussions of philosophical problems. Senior elective, three hours, throughout the year.

23. **Aesthetics.** A short seminar course with lectures and essays on the history and principles of art. Senior elective one hour, throughout the year.

24. **Ethics.** This course includes lectures and discussions on the foundation of ethics and its relation to religion, Hedonism, Rationalism and Personalism; free will, the conscience, virtue, duty, pessimism; and a practical outline of personal and social ethical relations and duties. Senior required; three hours, second term.

PEDAGOGY.

DEAN ETTINGER.

This department offers a two years' course embracing the History of Education, Educational Psychology, Methodology, and a study of Educational Classics. The History of Education traces the development of pedagogic thought and theory from the earliest times to the present. This is followed by a study of Psychology with special reference to its relation to education. Under Methodology the educational value of the various subjects usually taught, the proper methods of teaching the same, and the most important questions of school management are discussed. The study of Educational Classics affords scope for criticism and exacts original work by the class. The course in this

department is conducted by means of recitations from text-books, lectures, and original papers by the class.

30. **History of Education.** First term, two hours. Junior elective. (Seeley.)

31. **Educational Classics.** Second term, two hours. Junior elective. (Painter's Educational Classics.)

32. **Educational Psychology.** First term, two hours. Senior elective. (Dexter and Garlick's Psychology in the Schoolroom.)

33. **Methodology.** Second term, two hours. Senior elective. (Compayre's Lectures on Pedagogy.)

MUSIC.

PROFESSOR ————.

This department does not aim to give formal instruction on any specific instrument, much less to turn out so-called "finished musicians." The object of the courses offered is to afford the student a comprehensive knowledge of the theory and history of music so that he can the better appreciate their true place and value as an element of culture in the development of the individual.

40. **The Theory of Music.** The Elements of Music, Harmony, Form. Throughout the year, one hour, elective for Juniors.

41. **The History of Music.** Antiquity, Music of the Early Christian Age, Polyphonic Music, The Lutheran Reformation, Schools of Music, Contemporary Composers, Biography. Throughout the year, one hour, elective for Seniors.

THE ANCIENT LANGUAGES.

DEAN ETTINGER AND PROFESSOR HORN.

GREEK.

PROFESSOR HORN.

The aim of the four years' work is to give the student so firm a grasp of grammar and so large a vocabulary that he will be able with comparative ease to read any ordinary (Attic) Greek text, and at the same time to make him

familiar with the best writers of Greece, and to give him an intelligent acquaintance with Greek history, geography, institutions, and culture. The work will be such that a student will be fitted for graduate work at the larger institutions of learning. Throughout the course, stress is laid upon the geography and history of Greece; lectures, some of which will be illustrated by the stereopticon, will be given on these and similar subjects. The department has been recently furnished with the best ancient maps, by Henry Kiepert, and every aid will be afforded the student for geographical work. In the college library there will be reserved many books, to which students will be frequently referred, and which will be in constant use.

The Department is supplied with a number of photographs and lantern slides illustrating Greek art and architecture, history and private life; these will be used for the purpose of instruction.

Each member of every class should own the following books: Goodwin, Greek Grammar, revised edit.; Goodwin, Moods and Tenses of the Greek Verb, new edit.; Kiepert's Atlas Antiquus, or Putzger's Historical School Atlas, or Grundy's Small Classical Atlas (Oxford University Press), or Ginn and Co.'s Classical Atlas; Liddell and Scott's Greek Lexicon, unabridged, preferably one of the latest editions. Note books will be needed.

BEGINNERS' GREEK. (Four hours a week.)

This course is intended for mature students who enter college without Greek and are eager to make up their loss. The progress is rapid, for the student must master the elements of the language and read a considerable amount of Xenophon's Anabasis, in connection with which there will be work in Prose Composition. The course will be introductory to 50 and 51.

White's First Greek Book; Goodwin and White's Anabasis; Pearson's Greek Prose Composition.

REQUIRED OF CLASSICAL FRESHMEN.

50. **Lysias.** Three hours a week, first term.

51. **Iliad.** Three hours a week, second term.

52. **Greek Prose Composition.** One hour a week through the year.

Morgan's Eight Orations of Lysias; Benner's Selections from the Iliad; Mierow's Greek Syntax.

REQUIRED OF CLASSICAL SOPHOMORES.

53. **Plato's Apology and Crito and Selections from Phaedo.** Three hours a week, first term.

54. **Greek Comedy.** Two plays of Aristophanes will be read. Three hours a week, second term.

Plato's Apology and Crito, Dyer, revised by Seymour; Jebb's History of Greek Literature; the texts of Aristophanes will be announced later.

ELECTIVES FOR JUNIORS AND SENIORS.

57. **Greek History.** Two hours a week. The course will consist of required reading, lectures, and reports. Some of the reading will be in the original Greek.

59. **Lyric Poetry.** One hour a week.

Tyler's Greek Lyric Poets, new edition.

ELECTIVES FOR JUNIORS AND SENIORS OMITTED IN 1913-1914.

55. **Greek New Testament.** One hour a week.

56. **Greek Drama.** One play each of Aeschylus, Sophocles, Euripides, and Aristophanes. A study of the development of Greek Tragedy and Comedy. Two hours a week.

58. **Greek Oratory.** Two hours a week.

Richardson's Aeschines against Ctesiphon and Goodwin's Demosthenes On the Crown.

LATIN.

DEAN ETTINGER.

The courses offered in this department are intended to afford the student such a knowledge of the language, the thought, the life and the antiquities of the Roman people and the "Eternal City" as an intelligent cultured American of to-day may be justly expected to possess. Without aiming to train Latin philologians or Roman archæologists, which is altogether the business of the university, Muhlenberg College offers such courses based on the study of the masterpieces of Roman Literature as will afford an accurate and comprehensive survey of the character, the history and the achievements of this wonderful people, the important part they played in the development of the human race and their contributions to the Modern Languages, literatures, jurisprudence and government in general. The work in this subject furthermore aims to lay the broad and deep foundations so necessary for successful post-graduate study.

That the student may receive the fullest benefit from the courses in this department, it is absolutely essential that he bring with him, when entering college, such a knowledge of the fundamentals of Latin Grammar and elementary Latin prose composition together with a fair and ready command of the vocabulary of the Roman speech as will enable him to take an active and intelligent part in the work of the classroom. In this connection we cannot too strongly emphasize the importance of honest and sufficient work in the preparatory school.

[Allen and Greenough's Latin Grammar is used as the general authority and all students are urged to provide themselves with Harper's Larger Latin Dictionary, as the smaller dictionaries will not suffice for the work in the higher classes. The Roman system of pronunciation is used.]

70. **Beginners' Latin.** Especially offered for the benefit of students of more advanced years who have the ability and the determination

to fit themselves for more extended work in Latin. Text books selected to suit conditions. First term, four hours a week. Freshman year.

71. **Cicero.** De Amicitia, and De Senectute. With special attention to the vocabulary, forms and construction. First term, three hours. Required of all Freshmen, except Philosophical students not taking Latin. (Bennett's De Amicitia and De Senectute.)

72. **Livy.** Selections from Books I, XXI and XXII. The history of the Punic Wars. With special attention to the idioms and the derivation of words. Second term, three hours. Required of all Freshmen, same as 71. (Westcott's Livy.)

73. **Latin Grammar and Prose Composition.** A careful review of the grammar combined with original work in composition on the part of the student. Throughout the year, one hour. Required of all Freshmen, same as 71. (Allen and Greenough's Latin Grammar. Arnold's Latin Prose, revised by Bradley.)

74. **Horace.** Odes and Epodes. Selections with special study of the biographical, historical and mythological allusions and frequent practice in scanning the meters of Horace. First term, two hours. Required of all Sophomores taking Latin. (Bennett and Rolfe's Complete Horace.)

75. **History of Rome.** A careful survey of Roman History with special emphasis on the leading events. Second term, one hour. Required of all Sophomores taking Latin. (Botsford's Rome.)

76. **Horace.** Satires and Epistles, especially the Ars Poetica. Selections with special reference to the beauty of thought, the felicity of expression and the philosophical value of the works of Horace. Second term, two hours. Required of all Sophomores taking Latin. (Bennett and Rolfe's Horace.)

77. **Roman Literature with Dissertations.** The study of a good text-book supplemented with original dissertations on the leading Latin authors read before the class. First term, one hour. Required of Sophomores taking Latin. (Mackail's Latin Literature.)

78. **Cicero.** De Oratore. Selections with a survey of Roman oratory and special reference to the rhetorical value of the work. First term, two hours. Required of Juniors taking Latin. (Owen's De Oratore.)

79. **Plautus and Terence.** The Captives and the Andria, with an introductory study of Roman Comedy. Second term, two hours.

Required of Juniors taking Latin. (Elmer's Captivi and Fairclough's Andria.)

80. **Tacitus.** The Germania and the Agricola. With a special study of the purpose of these works and the conditions of the period of Roman History. First term, two hours. Senior elective. (Church and Brodribb's Agricola and Germania.)

81. **Lucretius.** Selections from De Rerum Natura with a survey of Roman Philosophy. Second term, two hours. Elective. (Lee's Lucretius, Books I-III.)

82. **Roman Antiquities with Dissertations.** Assigned topics will be treated in original dissertations to be read before the class, throughout the year in connection with the Senior courses in Latin. Required of such Seniors as intend to study theology; elective for others.

83. **Latin Literature in English.** For this course no knowledge of Latin is necessary. It will treat the subject as literature to be studied in standard and idiomatic English translations. Elective for all Juniors and Seniors.

84. **Roman Law.** An elementary survey of the subject with special reference to its relations to modern law. Elective for Juniors and Seniors taking Latin. (Hadley's Lectures and Robinson's Roman Law.)

85. **Early Latin.** Latin Inscriptions. Elective for Juniors and Seniors taking Latin. (Lindsay's Latin Inscriptions.)

86. **Roman Archæology.** Elective for Juniors and Seniors taking Latin.

ENGLISH.

MR. SIMPSON AND MR. BROWN.

The English course in Muhlenberg College presupposes a thorough training in English grammar and rhetoric in the preparatory schools, together with the usual amount of study and reading in English and American literature required for admission to colleges.

The aim of the department is to cover as fully as possible the entire field of English and American literature and to supplement the work of the preparatory schools with a thorough training in the proper use of the English language.

ENGLISH COMPOSITION.

90. **Practical Rhetoric.** Mainly paragraph-writing and exposition. Frequent short themes in the class-room, and daily themes for a part of the course. Text-book used in 1913 Linn's Essentials of English composition. First term, Freshman required, two hours.

91. **Narrative Writing.** Completes the course in Practical Rhetoric and takes up description and narration as employed in the essay and the short story. Text-book in 1913 Nettleton's Specimens of the Short Story. Second term, Freshman required, (2).

92. **Advanced Composition.** A more advanced study of rhetoric based on Baldwin's A College Manual of Rhetoric, or Scott and Denney's Paragraph-Writing. Second term, Sophomore required, one hour.

ENGLISH LITERATURE.

93. **History of American Literature.** Lectures, study of Halleck's American Literature, or Trent's. Reading in Page's The Chief American Poets and Carpenter's American Prose. First term, Freshman required, one hour.

94. **History of English Literature.** Lectures, study of a text-book such as Crawshaw's or Pancoast's English Literature, and readings in poetry and prose. First term and second term, Sophomore, two hours.

95. **The Rise and Development of the English Drama.** The reading of all the plays of Shakespeare, and representative plays of the earlier and later periods of the English Drama. Both terms. Junior required, two hours.

96. **The Rise and Development of the English Novel.** The reading of typical prose fiction of each century and period from Malory to Thomas Hardy. First and second terms, Senior, two hours.

97, 98. **The Romantic Poets.** (*First term.*) **The Victorian Poets.** (*Second term.*) Lectures on the growth of the Romantic Movement in England, France and Germany. Extensive readings in the poetry of Burns, Coleridge, Wordsworth, Byron, Shelly, Keats, Tennyson, Browning, Arnold, Rossetti, Morris, Swinburne, Kipling. A study of representative criticisms of the poets read. Both terms, Senior, two hours.

99. **Modern Essayists.** Macaulay, Lamb, Ruskin, and others are studied with attention to subject-matter, structure, and style. Second term, Senior, two hours.

100. **Eighteenth Century Essayists.** The growth of the periodical essay, and the social and literary ideals of the period. Second term, Senior, two hours. This course alternates with Modern Essayists and is not given in 1912-1913.

PUBLIC SPEAKING.

102. **Elementary Course.** Training in public reading and speaking. Attention is paid to individual defects. Second term, Freshman required, one hour.

103. **Advanced Course.** A study of the theory of public speaking. Delivery of committed selections. First term, Sophomore required, one hour.

104. **Oratory.** A practical course in public speaking. The aim of this course is to enable the student to speak fluently and effectively before an audience. Both terms, Junior and Senior elective, one hour.

GENERAL LITERATURE.

105. **World Literature.** The reading of Homer's Iliad, and Odyssey, Dante's Divine Comedy, Milton's Paradise Lost, Cervantes' Don Quixote and Goethe's Faust, in the best translations. Lectures on the Literature of all countries. Studies in Comparative Literature. Both terms, Seniors and Juniors, one hour.

106. **Contemporary Literature.** A survey of contemporary English, Continental and Scandinavian Literature. Reading of selected works of Ibsen, Björnson, Tolstoi, Turgeneff, Sienkiewicz, Fogazzaro, Zola, Maeterlinck, Heyse, Hauptmann, Sudermann, and leading British and American authors of the present day. Both terms, Seniors and Juniors, one hour.

THE MODERN LANGUAGES.

PROFESSOR WACKERNAGEL, MR. FRITSCH AND MR. BROWN.

The study of the Modern Languages is a regular part of the College Course. This department receives a full proportionate share of time and attention, and stands upon the same basis in this respect as Greek, Latin, or English. German, French, Spanish and Italian are taught both as living languages to be acquired as a medium of communication and as treasure-houses of scientific, theological and literary material, the key to whose wealth must be owned and readily

used by the post-graduate student. Our experience enables us to assert that any student of respectable intellect and industry can acquire the ready use of these languages for conversation, business, or discourse, by embracing the advantages offered him in this department.

In addition to this practical study, a considerable portion of time is given to the direct study of Literature, and of selected works of the greatest authors.

GERMAN DEPARTMENT.

110. Joynes and Wesselhoeft's German Lesson Grammar, Part 3. Bacon's Im Vaterland. Heyse's Hochzeit auf Capri. German Bible. Exercises in German script and memorizing of German poems. Two hours, Freshman required, unless French is taken. Mr. Fritsch.

111. Gore's German Science Reader. Hodges' A Course in Scientific German. Required of Scientific and Philosophical Freshmen. Two hours a week. Mr. Fritsch.

112. Lambert's Alltaegliches. Schiller's Wilhelm Tell. Schiller's Der Neffe als Onkel. Goethe's Hermann and Dorothea. Sophomore required, unless French is taken. Two hours a week. Mr. Fritsch.

113. Lassar-Cohn's Die Chemie im Taeglichen Leben. Required of Scientific and Philosophical students. One hour a week. Mr. Fritsch.

114. Lessing's Minna von Barnhelm. Goethe's Iphigenie auf Tauris. Freytag's Die Journalisten. Essays. Junior Philosophical and Classical elective. Two hours a week. Mr. Fritsch.

115. Wait's German Science Reader. Dippold's Scientific German Reader. Junior Scientific elective. Two hours a week. Prof. Wackernagel.

116. Priest-Klee, History of German Literature. Fossler's German Idioms and Conversation. Freytag's Doktor Luther. Max Mueller's Deutsche Liebe. Essays. Senior Classical and Philosophical Elective. Two hours a week. Prof. Wackernagel.

117. Bock-Camerer, Bau, Leben und Pflege des menschlichen Koerpers, Koelsch, Biologische Spaziergänge. Dubois-Reymond's Vorträge. Senior Scientific elective. Two hours a week. Prof. Wackernagel.

ROMANCE LANGUAGES.

FRENCH.

130. Aldrich and Foster's Grammar, and Reader. Freshman Classical elective. Required of students in the Philosophical course. Two hours a week. Prof. Wackernagel.

131. Aldrich and Foster's Grammar. Mariotte-Davis' Elementary Scientific Reader. Required of Scientific Freshmen. Two hours a week. Prof. Wackernagel.

132. Bacon, Une Semaine à Paris. Laboulaye's Contes Bleus. Feuillet's Roman d'un Jeune Homme Pauvre and other works. Sophomore Classical or Philosophical elective. Three hours a week. Prof. Wackernagel.

133. Bacon, Une Semaine à Paris. Bowen's Scientific Reader. Required of Scientific Sophomores except Latin be taken. Three hours a week. Prof. Wackernagel.

134. Newson's French Daily Life. Racine's Athalie and Esther. Maupassant Contes Choisis. Sand's La Mare au Diable. Classical and Philosophical Junior elective. Two hours a week. Prof. Wackernagel.

135. Newson's French Daily Life. Luguien's Science French Prose. Scientific Junior elective. Two hours a week. Prof. Wackernagel.

136. Dowden's History of French Literature. Halevy, L'Abbé Constantin. Moliére, L' Avare. Chateaubriand's Atala. Classical and Philosophical Senior Elective. Two hours a week.

137. Foncin, Le Pays de France. Faideau and Robin, L'Homme. Scientific Senior elective. Two hours. Prof. Wackernagel.

SPANISH.

150. Hills & Ford, Grammar. Giese & Cool, Spanish Anecdotes. The Spanish New Testament. Elective for all Juniors. Two hours a week. Prof. Wackernagel.

151. Fitzmaurice-Kelley's History of Spanish Literature. Bonilla's Daily Spanish Life. Taboada's Cuentos Alegros. Moratin, El Si de las Ninas. Elective for all Seniors. Two hours a week. Prof. Wackernagel.

ITALIAN.

160. **Italian.** Sauer's Italian Conversational Grammar. Bowen's Italian Reader. Selections from Dante's Inferno. Both terms, Junior and Senior elective, one hour.

HISTORY.

MR. JAMES H. S. BOSSARD.

The aim of the Department of History is three-fold:

(1) To give the student a comprehensive and progressive survey of the historical development of Western Europe.

(2) To familiarize the student with our American History from the early days of colonization down to the present time, with special attention to the economic and social life of the people.

(3) To keep in mind the continuity and evolution of history so as to give the student that sense of historical perspective without which he cannot fathom the significance of modern movements.

All of the courses are lecture courses, supplemented by collateral readings and reports.

170. **The Fall of Rome, the Germanic Invasions, and the Beginning of the Middle Ages.** This course begins with a discussion of the chief component elements of Medieval History—the Roman Empire, the Germanic peoples, the Christian Church. It then takes up the Germanic Invasions; the rise of the Frankish kingdom and its development into the empire of Charles the Great; the rise and spread of the Mohammedan power; the rise of the Papacy and the Medieval Church; the rise and development of the Medieval Empire and its relations to the Papacy down to the Investiture Controversy. Text-book, lectures and collateral readings. Special attention to historical geography. Two hours a week throughout the year. Required of Freshmen.

171. **The Close of the Middle Ages.** This is a continuation of Course 1. It deals with feudalism; medieval methods of justice; the Popes and the Hohenstaufens; the Crusades; rural and town life; decline of the Holy Roman Empire; study of the Church and its organization in the 12th and 13th centuries; the rise of cities; the Renaissance; and beginnings of modern nations. Two hours throughout the year. Text-book, lectures and collateral readings. Required of Sophomores.

172. **General Study of Europe from Opening of the Sixteenth Century Down to the French Revolution.** This course begins with a study of the intellectual, social, economic and political movements

which caused the Reformation; the Counter Reformation; the Thirty Years' War; ascendancy of France; Age of Louis XIV; rise of Russia and Prussia; and balance of power. Special attention paid to those movements which are the background of American history. Text-book, lectures and collateral readings. Two hours a week throughout the year. Required of Classical and Philosophical Juniors.

173. **The French Revolution, the Napoleonic Wars, and Europe in the Nineteenth Century.** This course is a continuation of Course 3. Takes up the causes and courses of the French Revolution; its effects upon France and other countries of Europe; Napoleon and the Napoleonic Wars; re-action of Europe after the overthrow of Napoleon, the reconstruction of Germany; revolutions of 1830 and 1848; Napoleon III and the Crimean Wars; union of Italy; founding of the German Empire; the British Empire in the Nineteenth Century; rise of the Balkan States; expansion of Europe in Asia and Africa; partition of Africa; and features of modern progress. Two hours a week throughout the year. Elective for Seniors. To be given in 1914-1915.

174. **American History.** This course opens with a short study of the European background; discussion of the methods of colonization; the social, economic, and institutional develpment of the English Colonies; rivalry of England and France; growth towards independence and union; the organization under the Constitution; development of national self-consciousness; division and re-union from 1829-1900, with special reference to the Civil War and Reconstruction. Text-book, lectures and collateral readings. Two hours a week. Required of all A.B. and Ph.B. men in Junior or Senior year.

THE DEPARTMENT OF SOCIOLOGY AND ECONOMICS.

MR. JAMES H. S. BOSSARD.

The aim of this department is three-fold:

(1) To give the student, as a general foundation, a survey of the principles which govern our economic and social life.

(2) To give, as far as possible, an insight into the practical problems which confront the American people; an insight which no man in our time can afford to be with-

out, especially if he lays any claim to education and culture, and an insight which will foster study, deliberation and observation in later and maturer years.

(3) To give the foundation and elementary drill for post-graduate work.

190. **Economics.** This course aims to acquaint the student with the growth of economic life and institutions with special reference to the United States. The principles of the science are explained and discussed. A discussion of such questions as the movement for the conservation of our natural resources, rural economics, standards of life among the industrial people of the U. S., trusts, the currency problem, the tariff, the labor problem, immigration, Socialism, etc., are included. Lectures and collateral readings. Two hours a week throughout the year. Required of Philosophical Juniors. Elective for all others.

191. **Sociology.** Brief history of development of Sociology from Plato to the present. Philosophical and scientific interpretations. Theories of social origins. Social organization. The Principles of Sociology. The biological basis of human society. Social significance of the work of Lamarcke, Darwin and Weissman. Social environment. Distinction between things physically inherited and those coming from the group of which one is a member. Rise and development of social institutions.

Required of Philosophical Seniors. Elective for all others. Two hours throughout the year. Lectures and collateral readings.

192. **Social and Vital Statistics.** This course aims to prepare the student to collect, with accuracy and completeness, the data for social work as well as to arrange them, and make use of most important material in the fields of economic and sociological research. Special emphasis is laid upon the need for caution in use of statistics. Fundamental principles are developed in connection with practical problems.

Elective for all Seniors who may be invited to take the course. One hour throughout the year.

MATHEMATICS.

PROFESSOR BAUMAN.

This department aims at the following results:

1. To train the mind to reason clearly and logically.

2. To teach the student to be exact, quick of comprehension, and systematic in presentation.

3. To impart facility in applying mathematical principles to practical problems.

4. To lay the foundation for future special work in the various branches of the subject.

200. **Higher Algebra.** Radicals, imaginary quantities, quadratic equations, proportion, progressions, binomial theorem, logarithms, permutations and combinations, series, theory of equations, including graphical representation of functions, and Horner's Theorem. Two hours a week for the whole of the Freshman year. Wentworth's Higher Algebra.

201. **Solid Geometry.** Lines and planes in space, polyhedral angles, prisms, pyramids, similar polyhedrons, cylinders, cones, prismatoid formula, numerous practical problems. One hour a week for the Freshmen during fall and winter. Wentworth's Revised Solid Geometry.

202. **Plane Trigonometry.** Trigonometrical functions, solutions of right triangles, practical applications. One hour a week for Freshmen during the spring. Wentworth's Plane Trigonometry.

203. **Trigonometry.** Goniometry, solutions of plane oblique triangles, numerous practical applications in the measurement of heights and distances, right and oblique spherical triangles, application to astronomical problems. (See under 206.)

204. **Surveying.** Land surveying, triangulation, leveling, railroad surveying, many practical problems and some illustrative field work. (See under 206.)

205. **Spherical Geometry.** Sections of spheres, tangents to spheres, spherical triangles, measurement of spherical surfaces and volumes, practical applications. Wentworth's Revised Solid Geometry.

206. **Navigation.** Plane sailing, parallel and middle latitude sailing, traverse sailing; some nautical astronomy. The last four courses are taken in succession twice a week during the Sophomore year. Wentworth's Trigonometry, Surveying and Navigation.

207. **Analytical Geometry, Plane.** This is a short course, including loci and their equations, straight line, circle, parabola, ellipse, and hyperbola. Required of all Scientific students of the Sophomore year. Two hours a week. Wentworth's Analytical Geometry.

208. **Analytical Geometry, Plane and Solid.** This is an extensive course in the subject. Elective for Juniors. Wentworth's Analytical Geometry.

209. **Calculus.** Differentiation of algebraic and transcendental functions. Integration of monomials, binomials, rational fractions and infinite series, together with double integration and many practical applications in the calculation of areas, volumes, surfaces, moment of inertia, etc. Two hours a week. Elective for Seniors. Osborne's Differential and Integral Calculus.

210. **General Astronomy.** This course includes a thorough study of the facts and theories of astronomy together with mathematical demonstrations. The study is illustrated by field work with a good portable four-inch telescope. Two hours a week during Senior year. Young's General Astronomy. Elective.

PHYSIOGRAPHY AND METEOROLOGY.

211. **Physiography.** This course is elective and is especially intended for those who owing to circumstances cannot elect Geology, Astronomy, and Meteorology as principal subjects, and yet desire a fair knowledge of the facts and principles of these sciences. Two hours a week for the first term of the Junior year. Hinman's Eclectic Physical Geography.

212. **Meteorology.** This embraces the elements of the science as given in Davis' Elementary Meteorology, together with practical work. Elective, two hours a week in the second term of the Junior year.

DEPARTMENT OF NATURAL AND APPLIED SCIENCE.

PHYSICS AND CHEMISTRY.

PROFESSOR REESE.

The course in Physics and Chemistry is intended to be intensive rather than extensive. The endeavor is made to teach *thoroughly* and impart a clear-cut knowledge of the *fundamentals* of the above-named sciences. The attention of the student is also directed to their practical applications.

The primary object of the course in physics and chemistry is to furnish the classical student a basis for the explanation of the phenomena presented to him in his daily life. The elective work will prepare the student for advanced work after graduation.

In the laboratories the student receives the *personal* attention of the professor during the laboratory period. The laboratories are open, however, from eight a. m. to five p. m. every day, so that work may be done during any part of the day, provided that it will not interfere with other classes.

Stress is laid on the keeping of a notebook on both the lecture and laboratory work. The notebooks are carefully corrected and returned to the student with suggestions and references to the work in hand. If the laboratory work be poorly done, it will be repeated until good results are obtained. But if after earnest effort the pupil cannot find the error the professor will review with him that part of the work in which the error occurs.

The Physical Department has a good equipment. A stereopticon with vertical attachment, optical bench and accessories for same, together with slides illustrative of physics and chemistry, especially the industrial side, is at the disposal of the department.

The department is equipped with a reflecting goniometer by Fuss, a set of 80 crystalline models in wood by Carl Krantz, of Berlin, set of minerals illustrating complete physical characteristics, and Sartorius specific gravity balance, refractometers, spectroscope, Babcock milk apparatus, etc.

PHYSICS.

220. **General Physics.** Lectures and recitations. The endeavor is made to present the subject in such a way that its different branches may be correlated in one science of energy. The lectures are illustrated and all the experiments planned to keep the above object in view. Junior year. Required of all students.

221. **Laboratory Work in General Physics.** The experiments are for the most part quantitative in character and give practice in mechanics, heat, light, electricity and sound. The laboratory work will be prefaced by several lectures on methods, determination and use of data, graphic methods, interpretation of results, etc. No special manual is used, the student being referred to various standard

manuals for his work. Junior year. Required of scientific students, elective for others.

222. **College Physics.** Standard college course with laboratory work. Senior year. Required of Scientifics or elective for students with equivalent of 220.

CHEMISTRY.

PROFESSOR REESE.

230. **General Course.** Lectures, recitations. The work of the first term is devoted to the laws and theories on which the science is built. The remainder of the year is devoted to the study of the metals, their occurrence, preparation and industrial value. Sophomore year. Required of all students. Two hours. Text-book: Descriptive Chemistry (Newell).

231. **Laboratory Work in General Chemistry and Elementary Qualitative Analysis.** The separation of the more common metallic and acid radicals forms a basis of the laboratory work. The endeavor is made to have the work so done that the student will be enabled to analyze any common inorganic material given him. Sophomore year. Required of all.

232. **A Course in Agriculture** discussed from the physical, chemical and geological viewpoint. Two hours lecture and two periods laboratory work. Prerequisite 230 and 231. Elective either Junior or Senior year.

233. **Quantitative Analysis.** The course will be divided into three parts: (1) Calibration of weights, flasks, etc. (2) Volumetric analysis. (3) Gravimetric analysis. While the more familiar determinations in these groups will be required, the amount of ground covered in each will depend on the student's ability and the time he can devote to the subject. Prerequisite 230, 231. Text-book for groups two and three, Quantitative Analysis (Talbot). Required of Scientifics, elective for others. Sophomore year, second term.

234. **Sanitary Chemistry.** This course will include the analysis of water, milk, butter, some food stuff and air. The various methods for the destruction of algae, the plant and animal forms harmful to water supplies, and the application of geology to the sanitary survey will be taken up in detail. Lectures and laboratory work. Prerequisite 230, 231. Text-books: Mason's "Water Analysis," Richards and Woodman's "Air, Water and Food." References to standard texts for other sections of subject. Required of Scientific students; Junior Year.

235. **Technical Analysis.** Cement, clays, iron, steel, soap, oils, fuels, ores, and gas analysis. In many of the above, such as cement and clays, the physical tests will also be made. Senior elective.

236. **Electrolytic Analysis.** A comparison of the various methods of separation will be made, as well as the analysis of alloys and the determination of the cations and anions, oxidizations by the electrical current and combustion of organic compounds by same means. Senior elective.

237. **Organic Chemistry.** Lectures, recitations and laboratory work. The lecture and laboratory courses combined give a thorough knowledge of the elementary compounds of carbon. Junior year. Required of Scientifics; elective for others. Two hours. Text-book: Organic Chemistry, Perkins and Kipping. Prerequisite, 230, 231.

238. **Organic Synthesis.** Senior elective. Prerequisite 230, 231, 233, 237.

239. **Physical Chemistry.** Lectures and laboratory work. Senior year. Required of Scientifics, elective for others.

DEPARTMENT OF BIOLOGY.

PROFESSOR BAILEY.

The courses of the Biological Department have been so arranged as to offer work to the students throughout the Junior and Senior years.

The courses have been so designed as to meet the requirements of those students who desire general collegiate culture and also those who expect to enter the professions of medicine and teaching.

The work in Mammalian Anatomy and Embryology has been especially arranged for prospective medical students. All of the other courses are equally valuable to both the general and special students.

Throughout the Biological courses emphasis will be laid upon the economic features of the science and whenever possible such forms of life will be chosen for study as possess economic as well as systematic value. Especial pains

will be taken to familiarize the student with those forms of animals, insects, trees and flowers which bear some relation to man. The purpose of the entire Biological course is to offer such information and present such opportunities to the students as will lead to practical benefit in after life.

Considerable Biological material has been mounted up for class demonstration purposes and will be used regularly in each of the courses. A large number of lantern slides has also been accumulated and in each of the courses the class and laboratory work will be supplemented by a number of illustrated lectures.

Following is a brief outline of the courses offered:

250. **Zoology.** Morphology, habits, life history and classification of representative animal forms, chiefly invertebrates. Emphasis will be laid upon the principles of heredity, the evidence and factors of evolution and the interesting instances of parasitism.

First term, Junior. Two hours recitation, four hours laboratory.

251. **Cryptogamic Botany.** A study of myxomycetes—those organisms on the borderland of zoology and botany: algae, fungi, mosses, ferns, etc. Such forms will be selected for study as bear an economic relation to man and special attention will be directed to such forms of fungal life as give rise to the innumerable diseases of cultivated plants.

Second term, Junior. Two hours recitation, four hours laboratory.

252. **Phanerogamic Botany.** A large portion of the time will be spent in the field. Efforts will be made so to familiarize the student with trees, shrubs and flowers that he will be able to recognize, name and classify all such within the region accessible for study. The field work will be supplemented by such laboratory instruction as will be necessary. Additions to the college Herbarium will be made, and personal collections of plant life by the students will be encouraged and required.

Second term, Junior. Two periods per week.

253. **Bacteriology.** Quantitative examination and isolation of the bacteria in water, milk, soil, air, etc., will be made by students taking this course. The cause and prevention of disease, the problem of sewage disposal, the isolation and study of the various forms

of bacteria in various water supplies, etc., are subjects that are included in this course.

First term, Senior. Two hours recitation, four hours laboratory.

254. Vertebrate Zoology. Representatives of the great classes of fish, amphibians, reptiles, birds and mammals will be studied and the comparative morphology of the various systems and organs noted. Dissection of various animals will be required. The evolution of the various organs will be noted and the habits and life histories of the different groups will be studied in so far as time will permit.

The Biological Museum contains mounted or preserved specimens of practically all of the local species of vertebrates.

Second term, Senior. Two hours recitation, four hours laboratory.

255. Histology and Advanced Physiology. The principal animal tissues will be studied. The student will also be taught methods of fixing, embedding, sectioning, staining and mounting of tissues. Physiological problems and laboratory experiments relating to the various systems of the body will be taken up. Microtomes, compound microscopes, etc., are available for work in this course.

Second term, Senior. Two hours recitation, four hours laboratory.

256. Mammalian Anatomy. A dissection of the cat, and, if time permits, of man will be required. Each of the Mammalian Systems will be studied in detail. This course will give the student a close acquaintance with the structure of the human body. Vestigial tissues will be noted and their significance explained. Mounted skeletons, enlarged models, preserved dissections, charts, etc., offer excellent advantages to those electing this course.

Second term, Senior. Two hours recitation, four hours laboratory. Especially designed for prospective medical students.

257. Embryology. This course consists of a study of the origin and development of the various organs of the frog, chick and man. Problems relating to the maturation, fertilization and segmentation of the egg, the origin of the germ layers and the early development of the principal vertebrate tissues and organs are taken up. The student is required to incubate the egg of at least one vertebrate, and to imbed section and study the embryo of same.

Second term, Senior. Two hours recitation, four hours laboratory. Especially designed for prospective medical students.

258. Senior Lecture Course in Biology. This course is designed to meet the needs of those students, who because of other requirements have not been able to elect the regular Junior and Senior

Biological courses but who nevertheless desire to obtain a general knowledge of Biological principles and phenomena before leaving college. The course aims to cover, in brief fashion, all of the important phases of Biology. It is in no respect a substitute for the regular courses. An illustrated lecture will be given weekly. Subjects such as the following will receive attention: Botany, Bacteriology, Forestry, Plant Diseases, Zoology, Distribution of Plants and Animals, Economic Biology, Evolution, Paleontology, etc.

Senior year, one hour.

DEPARTMENT OF GEOLOGY.

PROFESSOR BAILEY.

270. The course in Geology is open to members of the Senior class. The course comprises work in structural, dynamic and historical Geology. Chamberlin and Salisbury's College Geology, supplemented by various National and State Geological Reports will constitute the text-book matter of the course. Constant use of the excellent collection of rock specimens in the Geological Museum will be made. During the second half year historical Geology will be studied. During this time frequent illustrated lectures will be given. Beginning with the first formed strata of the earth, each of the great rock formations will be studied. Particular attention will be paid to the American Continent. Maps will be drawn, showing the relations of land and sea during each geological period, and the deposited strata and their included organisms will be carefully studied. A complete geological study of Lehigh County will be made and field trips will be taken by the class to note outcrops of the different local rock formations. A series of charts and a collection of named fossils will greatly aid the students in comprehending the plant and animal life of past geological times.

PHYSICAL EDUCATION.

DR. KLINE AND MR. THOMAS KELLY.

The aim of this department is to guide the normal student to grow symmetrically and to advise the defective who are

weak from heredity, poor development or ignorance how to correct these defects, and to quicken the mind to ready action through promptness in class drill.

The tabulations of the present system of medical examinations and physical measurements show the student wherein he exceeds or falls below the average. In addition to the general gymnasium exercises specific directions are given to overcome hereditary or acquired defects. The three-fold record of each student is tabulated and kept by the standard card system and at varying intervals revised by re-examinations.

Classified gymnastics and apparatus work are taught by the physical director, Mr. Kelly. The well-equipped FonDersmith Gymnasium, with adjoining baths, dressing room and lockers, is provided for this work.

A large field for base ball, foot ball and tennis courts offers the very best facilities for out-door athletics. Lectures on Social Evils and the Relation of their Effects to Heredity are delivered by the professor in charge.

The Freshmen are given two hours of strenuous Swedish gymnastic work, combined with lighter German work, to effect their physical upbuilding. Mr. Kelly.

The Sophomores are given one hour apparatus work. Mr. Kelly.

Additional and special training is offered to all upper class men.

LITERARY SOCIETIES.

Connected with the institution there are two Literary Societies whose exercises are regarded as a regular part of its curriculum. Every student is required to be a member of one or the other of these, the Euterpean or the Sophronian, and to take part regularly in its exercises. Debates, declamations, speeches, essays, and the like, are re-

quired in these societies, and familiarity with the application of parliamentary law is obtained. Excellent libraries belonging to these societies are accessible to the members, and from time to time are increased by liberal additions of current and standard literature. The sessions of the societies are held in their respective halls every Wednesday morning during term time, and attendance is obligatory upon the members. Neglect of duty in the Literary Society is regarded as a violation of college regulations, and subjects the offender to college discipline.

SPECIAL LECTURES.

A number of special lectures are delivered during the college year by persons eminent for ability in various directions; these are free to all students and alumni of the institution, and have been largely and profitably attended. This feature will be carefully maintained in the future as a source of instruction in specialties, in recent topics of interest, and for general information upon subjects not embraced in the ordinary department work.

LIBRARY AND READING ROOM.

MR. SIMPSON, LIBRARIAN.

The college library is open as follows: 11 to 12 A. M., 2 to 5 and 7 to 9 P. M., and on Saturday 9 to 11 A. M. All books are on open shelves freely accessible to all students. Books for collateral reading in the various departments of instruction, formerly kept in the class rooms, are now lent at the library. Three to five copies of the most important are provided.

The total number of books accessioned to January 17, 1913, is 19,112. This includes the college library and the collections of the two literary societies, the three having been consolidated and in part re-cataloged during the summer vacation.

The work of re-cataloging began on June 23. By the decimal system the books are placed in nine great classes with a tenth group for general works. The books were stacked accordingly, and then labelled and classified, each being given a class number, and, from the Cutter tables, an author number. Then cards were written for the shelf-list, which gives the exact location of each book in its class and on the shelf. The shelf-list has been completed for Philosophy, Sociology, Fine Arts, Literature, Biography (under History) and Geography and Travel (under History). The librarian wishes to acknowledge the careful and intelligent assistance during the whole period of the summer vacation of Mr. Ernest Keiter, a member of the class of 1915, and of Mr. R. R. Fritsch, of the German Department, who arranged the books in German.

After the shelf-list is completed, a dictionary catalog will be made, and with this the resources of the library on any topic will be readily available. The printed cards of the Library of Congress will be used as far as possible.

The most important benefactors of the library since January 1, 1912, are:

Rev. Frank Croman (94 volumes), Class of 1900 (13), Class of 1913 (8), Class of 1914 (5), Rev. F. K. Fretz (2), Dr. J. A. W. Haas (67), Prof. Robert Horn (28), Rev. F. K. Huntzinger (15), Rev. Samuel Laird (164), Pennsylvania state library (20), Dr. Edgar Fahs Smith (11).

The books in the reading room, which is open at all times, include the latest edition of the Encyclopedia Britannica, other encyclopedias, Johnson's, Americana, International, Chambers', etc., Warner Library of the World's Best Literature, and bound volumes of Harper's Magazine 1 to 103. The latest accession is the revised edition of the Century Dictionary and Atlas. The periodicals in the reading room include the following:

American Magazine, Atlantic Monthly, Century, Chautauquan, Collier's, Country Gentleman, Current Opinion, Dial, Educational

Review, Forum, Harper's Weekly, Harper's Monthly, Independent, International Studio, Judge, Literary Digest, Littell's Living Age, McClure's, Missionary Review, Nation, North American Review, Outlook, Puck, Review of Reviews, Saturday Evening Post, Scientific American and supplement, Scribner's, Survey, World's Work, Popular Science, Outing, National Geographic Magazine, five local daily papers, New York Times, Philadelphia Press, Ledger, and Record.

The following magazines and newspapers in the reading room are kindly sent free:

Advocate of Peace, Commoner, Doylestown Daily Intelligencer, Hamburg Item, Northampton Democrat, American Economist, Our Dumb Animals, Reading Eagle, Locomotive, Public Service, S. Bethlehem Globe, Lutheran, Lutheran Observer, Lutheran Woman's Work, Luther League Review, Der Missionsbote, Foreign Missionary, Sweet Charity, Bible Student and Teacher, Outlook of Missions, Young Folks.

NEW BUILDINGS.

After occupying the buildings situated in the southeastern part of Allentown since 1867, Muhlenberg College has been moved to the western section of the city where it now possesses a site of seventy-two acres of land, on which a commodious modern college-plant has been built.

THE ADMINISTRATION BUILDING.

This building occupies the highest part of the new college grounds, facing south, and is 190 feet long and 65 feet wide, three stories high, with a basement. It is built of a pink granolithic stone, with Indiana lime-stone trimmings, in the English Renaissance style of architecture. The façade shows a central tower, which is flanked with gables on each end, the intervening wall being topped off with dormer windows.

The basement contains a gymnasium with bath and locker-rooms, a basket-ball room, bicycle and coat

rooms, lunch room and Physical Director's room. The first floor contains a reception-room, offices for the President and Treasurer, the latter connecting with a fire-proof vault, chapel, and five recitation-rooms.

The second floor contains the library and reading-rooms, physical and biological laboratories, and four recitation-rooms.

The third floor contains two large literary society halls, and rooms for "The Muhlenberg," Press Club, Glee Club, the Missionary Society, museums of geology and botany, and a laboratory of experimental physiology.

The building is of what is known as "slow-burning construction," with iron staircases, heated by steam and lighted with electricity, supplied from a central plant. Its appointments and furnishings are modern throughout.

THE DORMITORIES.

The general scheme of the dormitories is that of a rectangle, following a typical Oxford or Cambridge system. They are divided into sections accommodating from twelve to sixteen students each, and are entered from the quadrangle through separate doorways, each section having its own hall and staircase with rooms on either side. All the sections are supplied on each floor with steam heat, electric light, hot and cold water, shower baths, and toilet-rooms.

The main entrance to the dormitories is flanked with towers which contain, on the first floor, an office, a reception-room, a janitor's room, and a baggage-room.

The front elevation of the principal dormitory is 183 feet long and three stories high. This building is called "Berks Hall," in honor of the Lutherans of Berks County, Pa., who have undertaken to raise $35,000 to pay for its erection. It accommodates seventy-five students.

Mrs. Anna Louisa Rhoads, of Reading, Pa., has erected

an additional section along the eastern side of the rectangle as a memorial for her son, John Warren Rhoads.

Luther League Hall has been erected by the Luther Leagues of the Ministerium of Pennsylvania. The new section of the Dormitory has begun the western side of the rectangle.

POWER PLANT.

A completely equipped power-plant furnishes an ample supply of steam heat and electric light for all the buildings on the college grounds. In this building comfortable provision has been made for the chemical laboratory and dissection room.

THE COMMONS.

The Athletic Association has erected a beautiful, well-equipped and commodious commons, where all dormitory students are required to take their meals. The price of the board is $3.50 per week. No deductions from this price will be made except in cases where students are absent for one full week or more.

ALUMNI HALL.

The Alumni of the College have begun a fund which, if it assume sufficient proportions, is to be applied to the erection of a building to be known as "Alumni Hall." The fund so far amounts to over $12,000.

The block plan calls for a number of additional buildings, such as a Chapel, Library, Gymnasium, Science Building, Observatory, and Language Building.

The hope is entertained that individuals will provide the means by which these buildings can be erected as memorials.

THE ADMINISTRATION OF THE COLLEGE.

GOVERNMENT.

In the administration of the government of the College, no unnecessary or arbitrary regulations are established, but only such laws are insisted upon as are necessary for the common life of Christian gentlemen. No one whose influence is against the general order of the College can expect to continue in attendance.

Whenever dismissal is necessitated as the due punishment corresponding to the offense, all advantages are forfeited. Severer discipline is however avoided, if it be in any way possible.

REGISTRATION.

On the first day of the fall term every new student shall report in person at the office of the Treasurer before 1 p. m. and register his full name and home address, as well as the course he expects to take.

A registration fee of $5.00 will be required in advance, which sum shall be credited to the student's account, in case of his admission to College.

ELECTIVES.

On or before June 1st of each year, every student shall hand to the Dean a list of the subjects that he elects for the following year, which subjects thus become a part of his regular work. All such elections are subject to the approval of the Faculty.

EXAMINATIONS.

All the classes are examined twice a year, and the results made to count as a proper factor in the class standing.

TERM REPORTS.

Reports of standing in class, conduct, attendance, and the like, are sent to parents or guardians after each examination; and if necessary, special correspondence is had in the intervals.

SCHOLARSHIPS.

Any individual or congregation contributing $1000 to $1500 to the College will receive a permanent scholarship, which secures to the contributor, his assigns, etc., the perpetual right of educating one student in the institution free of expense for tuition and proportionate charges in the Administration Building.

The following is a list of donors having procured such scholarships:

Hon. S. A. Bridges, Allentown, Pa.
James K. Mosser, Allentown, Pa.
Andrew S. Keck, Allentown, Pa.
Thomas Keck, New York, N. Y.
Horatio Trexler, Reading, Pa.
William Saeger, Allentown, Pa.
Alfred G. Saeger, Allentown, Pa.
Charles Burkhalter, New York, N. Y.
Amos W. Potteiger, Reading, Pa.
Mrs. Sarah Miller, Allentown, Pa.
A. Stanley Ulrich, Esq., Lebanon, Pa., and Rev. Aaron Finfrock, Reading, Pa.
A. S. Shimer, Easton, Pa.
John Wagner, Hellertown, Pa.
William A. Arnold, Reading, Pa.
Samuel H. Kutz, Reading, Pa.
Robert H. Sayre, South Bethlehem, Pa.
Henry Stine, Fogelsville, Pa.
Jacob Fegely, Pottstown, Pa.
George H. Reinoehl, Lebanon, Pa.
Edward S. and Sarah Wertz, Reading, Pa.
Charles A. and Annie D. T. FonDersmith, Lancaster, Pa.
John E. Lentz, Allentown, Pa.
Mrs. Caroline Freudenberger, Tamaqua, Pa.

Reuben D. Wenrich, M.D., Wernersville, Pa. This Scholarship has been increased, by the donor, to $1,500.

Rev. Dr. John W. and Mary Sener Rumple Scholarship, endowed by the Rev. John W. Rumple. Value, the interest of $1,500.

St. John's Evangelical Lutheran Church, Allentown, Pa.

Trinity Evangelical Lutheran Church, Reading, Pa., (two owned by the Congregation, and one of $1,250 endowed by the Sunday-school, in memory of Mrs. Sidley).

St. James' Evangelical Lutheran Church, of Reading, Pa., (two owned by the Congregation).

Emanuel Evangelical Lutheran Church, of Pottstown, Pa.

St. John's English Reformed Church, of Allentown, owns the *Frank Erdman Cooper Scholarship,* given to it by C. W. Cooper, Esq., in memory of his son.

The *Luther P. Keller, Jr., Memorial Scholarship,* of St. John's Ev. Lutheran Church, Philadelphia, Pa., was endowed by Luther P. Keller in memory of his son.

The *Henry S. Neff, M.D., Memorial Scholarship,* of St. John's Ev. Lutheran Church, of Philadelphia, Pa., was endowed by George Rugan Neff in memory of his son.

The *Frank Rugan Neff Memorial Scholarship,* of St. John's Ev. Lutheran Church, of Philadelphia, Pa., was endowed by Julietta S. Neff in memory of her son.

The *Henry Melchior Muhlenberg Scholarship* was endowed by Mrs. Mary A. Rogers and Mrs. E. M. Bailey and her son James Muhlenberg Bailey, of New York, in honor of their ancestor, the Patriarch of the Lutheran Church in this country.

The *Henry and Anna Mary Romig Memorial Scholarship* was endowed by Mrs. Isaac Fegely, of Pottstown, Pa., in honor of her parents.

The *Allentown High School Scholarship* is vested in the Public School Board of Control, of Allentown, and is open annually to competition on the part of graduates of the High School.

The *Clemmie L. Ulrich Scholarship* was left by bequest for the use of the Ev. Lutheran Ministerium of Pennsylvania.

Charles Roeller Himmelwright Memorial Scholarship of St. John's Evangelical Lutheran Church, of Quakertown, Pa., endowed by Mrs. Susan Himmelwright in memory of her husband.

The Frank R. Nusbaum Scholarship, of Trinity Evangelical Lutheran Church, Lehighton, Pa., endowed by Mr. Frank R. Nusbaum. Value, the interest of $1,400.

The W. J. Andres Scholarships. Four scholarships, each the interest on $1,500, given by the bequest of Rev. W. J. Andres, especially for students preparing for the ministry.

The *Stephen A. Repass Memorial Scholarship* of St. John's Lutheran Church, Allentown, Pa. Value, the interest of $1,000.00.

The Lizzie M. George Scholarship, given by Mrs. Lizzie M. George, of Annville, Pa. Value, the interest of $1,500.00.

The Aaron B. Walp Scholarship given by Mr. Aaron B. Walp, of Trinity Church, Quakertown, Pa. Value, the interest of $1,500.

The Martin Luther Trexler Scholarship given by Rev. D. D. Trexler in memory of his son Martin Luther Trexler. Value, the interest of $1,500.

HIGH SCHOOL SCHOLARSHIPS.

The Board of Trustees has also granted scholarships representing an annual credit of $50 for tuition, to the male graduates, prepared to enter any of the courses in College, from the following High Schools:

The Reading High School.
The Lebanon High School.
The Easton High School.
The Catasauqua High School.
The Hazleton High School.
The Kutztown Normal School.
Millersville Normal School.
Perkiomen Seminary, Pennsburg, Pa.
Lerch's Preparatory School, Easton, Pa.
Bethlehem Preparatory School.

THE CHAS. A. SCHIEREN FUND.

This fund is used to defray the tuition, and if necessary the expenses, of students who have in view the English Lutheran Ministry. The income of this fund will become available in a few years.

It is hoped that others will follow these examples, and take individual, memorial, or congregational scholarships, as thereby the owner of such a scholarship, apart from educating his own family, will aid worthy and talented but poor young men in securing an education that may fit them for eminent usefulness, and the congregations may have in perpetual training those of their sons that seek the work of the Gospel ministry.

PRIZES.

During the year the following prizes have been announced, competition for which is subject to the rules of the Faculty, and the assigning of which is in the hands of committees appointed for this purpose. The decision will be announced on Commencement day. Friends of the institution are urged to increase the number of these prizes, especially for the lower classes.

The Amos Ettinger Honor Medal, to be assigned to that member of the Senior Class having attained the highest average grade during the year, in all his studies. Presented by Professor George T. Ettinger, Ph.D. ('80).

The President's Senior Prize. A prize of Ten Dollars to be awarded to that member of the Senior Class writing the best original essay in the department of philosophy. Subject for 1913: The New Realism." Presented by President J. A. W. Haas, D.D.

The Clemmie L. Ulrich Oratorical Prize. Twenty-five Dollars to that member of the Junior Class making the best speech in English, as to manner and matter, at the Junior Contest. Presented by bequest of Clemmie L. Ulrich, Annville, Pa.

A Second Junior Oratorical prize, given by the class of 1908, to be awarded to the man making the second best speech in English.

The President's Junior Prize. A prize of Ten Dollars to be awarded to that member of the Junior Class presenting the best original essay in the department of English. Subject for 1913: "Ibsen." Presented by President J. A. W. Haas, D.D.

The Reuben D. Wenrich, M.D., Prize. A prize of Ten Dollars to be awarded to that member of the Sophomore Class having attained the highest average grade in all his studies.

The Reuben J. Butz Botanical Prize of Ten Dollars given to that student who makes the best collection of local flora (including ferns). Open to all students of Botany.

The Charles D. Boschen German Prize of Ten Dollars presented to that member of the Sophomore class making the best examination in such special work as may be assigned in the German Department.

The Dr. H. A. Jelly Prize of Five Dollars given to the Scientific student of the Sophomore class doing the best work in Scientific German.

The Freshman Prize in English. A prize of Ten Dollars to be awarded to that member of the Freshman Class presenting the best original essay on some subject based on the preparatory work in English. The object of this prize is to stimulate thorough preparation in English. Subject for 1913: The Writings of Abraham Lincoln. Presented by Mr. Luther FonDersmith, of Lancaster, Pa.

The Clayton K. Bernheim Biological Prize. A prize of Ten Dollars will be awarded to the student collecting the finest series of local vertebrates (including fish, amphibia, reptiles and mammals). The specimens must be properly classified and labelled. The material collected is to remain as a portion of the Biological Museum.

The Sociological Prize open for Juniors and Seniors is ten dollars. It is offered by the Class of 1912. The subject for 1913 is, "The Rural Problem in the United States."

THE MASTER'S DEGREE.

According to the present rules of the College, graduates of good moral character, who apply for the Master's degree in Arts or Science, must pursue a year's work under the supervision of the Faculty, and present an acceptable typewritten or printed thesis.

DEGREES CONFERRED AT COMMENCEMENT.

At the annual Commencement, held June 13, 1912, the following Degrees were conferred:

Honorary Degrees.

Doctor of Divinity—Rev. James L. Becker, of Lansdale, of the class of 1874, and a member of the Board of Trustees.

Rev. Luther D. Reed, Librarian and Professor at the Lutheran Theological Seminary at Mt. Airy, Philadelphia.

Doctor of Pedagogy—Prof. Charles Foos, Superintendent of the public schools of Reading, and a former President of the State Teachers' Association.

Master of Science—Daniel W. Hamm, of the class of 1901, Allentown, Pa.

EXPENSES FOR THE COLLEGIATE YEAR.

IN THE ADMINISTRATION BUILDING.

The expenses in the Administration Building will be $75.00, which includes tuition, the use of the College Library, Reading Room furnished and supplied with current literature by the College, Gymnasium, light, heat, and service. A deposit of $1.00 will be required for a locker key in the gymnasium, which will be refunded when the key is returned.

A Registration Fee of $5.00 will be collected from each student when entering college for the first time.

An athletic fee of $5.00 will be collected annually from each student for the Athletic Association.

Tuition is represented by $50.00, which amount will be credited to those holding scholarships. Those holding scholarships of a larger amount will be credited with the full proceeds of such scholarships on account of expenses in the Administration Building.

Board can be secured at $3.50 per week at the Commons.

The charges for material and the use of instruments in the B. S. course are, for the Freshmen, $6.00; for the Sophomores, $6.00; and for the Juniors and the Seniors, $9.00. All Chemistry students, in all courses, are required to pay a fee of $5.00 and to deposit with the Treasurer $5.00 to cover possible breakages.

For special courses, embracing from one to three subjects of study, the charges will be $25.00 a year.

The scholastic year is divided into two terms for the payment of these charges, which are divided into two equal halves, namely, from September to the end of January, and from the first of February to Commencement. ***The College charges of each term must be paid in advance.***

The members of the Senior Class, at the beginning of the second term, pay to the Treasurer an extra fee of five dollars, which will be refunded in case of failure to graduate.

IN THE DORMITORIES.

The room-rent in the Dormitories includes electric light, steam heat, hot and cold water, bath, and service. The rental is always for the whole room or suite, and for the time extending from Monday before the opening of College in September until Saturday after Commencement in June. In case of a double room or double suite, the rent per tenant is one-half the given rent. Students staying on the premises during the day and returning to their homes at night will be assigned either to a double room or to a double suite after all the resident students have been located, and charged one-fourth the rent.

All students must furnish their own rooms, and only iron bedsteads with all iron springs approved by the College are allowed.

The rooms are divided into four classes:

1. Single rooms for one tenant only, where the rent is $55.00.
2. Single suites, a study, and a bedroom, for one tenant only, where the rent is $87.50 on the first and second floors, and $67.50 on the third floor.
3. Double rooms, one large room for two tenants, where the rent is $90.00 on the first and second floors, and $85.00 on the third floor.
4. Double suites, a study, and two bedrooms, where the rent is $140.00 on the first and second floors, and $130.00 on the third floor.

Rules governing the allotment and rental of rooms as well as the requisite application blanks and forms of leases can be secured from the Treasurer of the College.

ENDOWMENTS, BEQUESTS AND DEVISES.

Higher education, in our country, rests largely upon a charitable basis. No institution offering a liberal education can be maintained by the moderate charges made for tuition. The increasing breadth given to such higher education, and the more exalted standard of architectural effect employed in collegiate buildings, increase enormously the resulting financial strain. No such institution can therefore keep

abreast of this ever rising standard of the times without the steady increase of its endowment funds. Muhlenberg College has, in the past, been the recipient of a number of very generous gifts and endowments. But, for the reasons just assigned, it must most earnestly urge its friends and graduates to aid it in furthering its resources, endowing new professorial chairs, founding scholarships, providing funds for the aid of worthy but indigent students, and the other constantly pressing needs of the institution. Attention is also called to the eminent propriety of making bequests to advance the prosperity and widen the usefulness of our institution. As it is important that testamentary papers should be carefully drawn and regularly executed, and our corporation name be written accurately, we append the following forms, respectively for personal property and real estate, indicating whether the bequest is for endowment or the general purposes of the College:

I give and bequeath to "Muhlenberg College," in Allentown, Pennsylvania, and its successors and assigns, forever, the sum of Dollars, to be safely invested by said corporation in good real estate security, and the interest accruing therefrom to be applied to the uses and purposes of said College.

I give and bequeath a certain lot, situated (here described) to "Muhlenberg College," in Allentown, Pennsylvania, and to its successors and assigns, forever, for the uses and purposes of said College, according to the provisions of its charter.

THE ALUMNI ASSOCIATION OF MUHLENBERG COLLEGE.

PRESIDENT: Prof. George T. Ettinger, Ph.D., '80.

VICE-PRESIDENTS: Rev. J. J. Schindel, '96, Allentown, Pa., Rev. W. O. Fegley, '90, Trappe, Pa.

CORRESPONDING SECRETARY AND TREASURER: Ralph H. Scheetz, Esq., '08.

RECORDING SECRETARY: Professor J. A. Bauman, Ph.D., '73, Allentown, Pa.

BOARD OF MANAGERS: Willard D. Kline, M.D., '97; Dr. Howard S. Seip, '85, and Prof. Robert R. Fritsch, '00.

The object of this Association is to cultivate friendly relations among the alumni and to promote the interests of Muhlenberg College.

Any graduate of Muhlenberg College may become a member by paying a membership fee of $1, and 50 cents annually thereafter.

It is urgently requested that as many of the alumni as possible join the Association, and thus assist in advancing the objects for which it has been established.

The annual meeting is held on Thursday afternoon of Commencement week.

Further information may be had from the Corresponding Secretary.

UNDERGRADUATES.

SENIORS.

Phares G. Beer	Classical	Perkasie, Pa.
George W. Bixler	Scientific	Easton, Pa.
Frank H. Blatt	Classical	Berne, Pa.
William G. Bowsher	Scientific	Chester, Pa.
Fred. P. Butz	Classical	Allentown, Pa.
Harry C. Cressman	Classical	White Haven, Pa.
Elmer R. Deibert	Classical	Orwigsburg, Pa.
William F. Drehs	Classical	Sassamansville, Pa.
Charles H. Esser	Philosophy	Kutztown, Pa.
Samuel S. Fox	Classical	Alburtis, Pa.
David H. Frederick	Classical	Reading, Pa.
Walter E. Groff	Scientific	Sellersville, Pa.
Robert T. Hutchinson	Scientific	South Bethlehem, Pa.
William L. Katz	Classical	Philadelphia, Pa.
Charles E. Keim	Classical	Nazareth, Pa.
Wallace R. Knerr	Classical	Red Hill, Pa.
Edgar W. Kohler	Classical	Egypt, Pa.
Robert H. Krauss	Classical	East Greenville, Pa.
Earl G. Loser	Scientific	Progress, Pa.
Paul Loser	Philosophy	Paxtang, Pa.
John I. Meck	Classical	Philadelphia, Pa.
Christopher J. Quinn	Scientific	Allentown, Pa.
Conrad J. M. Raker	Scientific	Shamokin, Pa.
Matthias H. Richards	Classical	Lima, Ohio.
Theodore J. Ritter	Philosophy	Allentown, Pa.
Luther B. Scheehl	Classical	Utica, N. Y.
W. Clarence Schlegel	Scientific	Shamokin, Pa.
J. Conrad Seegers	Classical	Reading, Pa.
Quintin W. Stauffer	Classical	Alburtis, Pa.
Carl G. Toebke	Classical	Brooklyn, N. Y.
Henry A. Wacker	Classical	New York City.
John Wenner	Classical	Fogelsville, Pa.

Seniors, 32.

JUNIORS.

Elmer H. Bausch	Classical	Lynnville, Pa.
Ralph H. Bieber	Classical	Allentown, Pa.
David Bucks	Classical	Leola, Pa.
David S. Cook	Philosophy	Spring City, Pa.

Edgar Crouthamel	Classical	Philadelphia, Pa.
Arthur S. Deibert	Classical	Schnecksville, Pa.
George A. Eichler	Classical	Laury's, Pa.
John L. Eisenhard	Classical	Cementon, Pa.
Martin D. Fetherolf	Classical	Jacksonville, Pa.
James R. Flexer	Scientific	Allentown, Pa.
Herman K. Fogel	Chemistry	Allentown, Pa.
Henry J. Fry	Classical	Catasauqua, Pa.
Charles A. Gebert	Classical	Tamaqua, Pa.
Arthur P. Grammes	Classical	Fogelsville, Pa.
William J. Heilman	Classical	Kutztown, Pa.
Frederick A. Heuer	Classical	Philadelphia, Pa.
Clarence F. Hoehle	Classical	Rittersville. Pa.
Christian P. Jensen	Classical	Utica, N. Y.
Elmer S. Kidd	Classical	Bath, Pa.
Elmer L. Leisey	Classical	Denver, Pa.
Walter W. Mock	Classical	Allentown, Pa.
Herman H. Nenow	Scientific	Phillipsburg, N. J.
Gobin H. Norgang	Classical	Allentown, Pa.
T. Ernest Orr	Scientific	Phillipsburg, N. J.
Warren C. Phillips	Classical	Shoemakersville, Pa.
Charles F. Seidel	Classical	Calcium, Pa.
Harvey T. Sell	Classical	Schnecksville. Pa.
Albert H. Skean	Scientific	Pottstown, Pa.
Paul V. Taylor	Classical	Allentown, Pa.
Elwood J. Unaugst	Classical	Nazareth, Pa.
Clarence Werner	Chemistry	Allentown, Pa.
Harry S. Ziemer	Scientific	Adamstown, Pa.

Juniors, 32.

SOPHOMORES.

Henry A. Bagger	Classical	Brooklyn, N. Y.
Ellis S. Biery	Classical	Macungie, Pa.
Martin W. Brossman	Philosophy	Womelsdorf, Pa.
Harrison W. Dubbs	Classical	Emaus. Pa.
John W. Early	Special	Reading, Pa.
Walter O. Ettinger	Special	Mt. Bethel, Pa.
Harry B. Fehl	Classical	Reading, Pa.
William A. Freihofer	Classical	Philadelphia, Pa.
Elmer E. Frederick	Philosophy	Allentown, Pa.
Theodore K. Finck	Classical	Augusta, Pa.
J. Melvin Freed	Classical	Perkasie, Pa.

Newton W. Geiss	Classical	Kutztown, Pa.
Frederick A. Hemsath	Scientific	Bethlehem, Pa.
William W. Jenkins	Classical	Scranton. Pa.
Norbert R. Kauffman	Scientific	Lima, Ohio.
Ernest R. Keiter	Classical	Allentown, Pa.
Howard R. Kistler	Scientific	Allentown, Pa.
M. Russel Koons	Chemistry	Allentown, Pa.
W. Harold Laury	Classical	Perkasie, Pa.
Nevin T. Loch	Classical	Switzer, Pa.
Harold Q. Macadam	Scientific	Catasauqua, Pa.
G. Donald Marks	Special	Allentown, Pa.
Ralph F. Merkle	Scientific	Allentown, Pa.
Reuben Miller	Scientific	Easton, Pa.
Ernest W. Moyer	Philosophy	Perkasie, Pa.
Frank B. Potts	Chemistry	Quakertown, Pa.
George A. Rahn, Jr.	Special	Allentown, Pa.
Walter L. Reisner	Philosophy	Millersville. Pa.
Paul L. Royer	Classical	Rothsville, Pa.
Richard J. Schmoyer	Classical	Allentown, Pa.
Arthur B. Seidel	Classical	Reading, Pa.
Fritz E. Sermulin	Classical	Usmaiten, Russia.
Monroe D. Sloyer	Classical	Easton, Pa.
Harry W. Smeltzer	Philosophy	Reading, Pa.
Henry L. Snyder	Philosophy	Zionsville, Pa.
Edward H. Stolzenbach	Philosophy	Lima, Ohio.
Floyd Wagner	Chemistry	White Haven, Pa.
Raymond C. Walters	Classical	Rittersville, Pa.
William L. Werner	Classical	Lebanon, Pa.
Theodore F. Wichmann	Scientific	Rochester, N. Y.
Levi N. Yiengst	Classical	Lebanon, Pa.
Mark S. Young	Scientific	Allentown, Pa.

Sophomores, 42.

FRESHMEN.

Guerney F. Afflerbach	Scientific	Quakertown, Pa.
Mayden E. Barner	Classical	Kutztown, Pa.
John F. Barrett	Scientific	Catasauqua, Pa.
Harry J. Billow	Classical	Herndon, Pa.
Harry C. Blank	Chemistry	Allentown, Pa.
Willis Boehm	Special	Allentown, Pa.
Melville J. Boyer	Classical	Neffs, Pa.
Orrin E. Boyle	Philosophy	Allentown, Pa.
Thomas J. Brennan	Scientific	Mackeysburg, Pa.
John S. Brobst	Scientific	Allentown, Pa.

George G. Brubaker	Scientific	Lancaster, Pa.
Leland Brunner	Philosophy	Carbondale, Pa.
Charles Copley	Chemistry	Mahanoy City, Pa.
John P. Creveling, Jr.	Scientific	Allentown, Pa.
Harold S. Cumfer	Chemistry	Hazleton, Pa.
John G. Davidson	Classical	Coopersburg, Pa.
Richard Duerschner	Classical	Troy, N. Y.
Clifford Eichner	Classical	Freemansburg, Pa.
John H. Fox	Scientific	Alburtis, Pa.
Norman R. Frankenfield	Scientific	Easton. Pa.
C. Luther Fry	Classical	Catasauqua, Pa.
Harry W. Hepner	Classical	Herndon, Pa.
Benjamin A. Hubbard	Chemistry	Scranton, Pa.
David G. Jaxheimer	Classical	Bethlehem, Pa.
Franklin B. Koehler	Scientific	Allentown, Pa.
John A. Kuder	Classical	Lehighton, Pa.
Claude M. Laudenslager	Scientific	Allentown, Pa.
George B. Lazarus	Scientific	Vinemont, Pa.
George A. Legg	Philosophy	Kingston, N. Y.
Paul L. Lindenstruth	Classical	Wilkes-Barre. Pa.
Michael F. McDermott	Chemistry	Shenandoah, Pa.
Charles R. Mitchell	Classical	Trenton, N. J.
Claude F. Miller	Classical	Reading, Pa.
Henry Moehling, Jr.	Classical	Brooklyn, N. Y.
John N. Mohr	Scientific	Alburtis, Pa.
Aaron R. Mosser	Special	Allentown, Pa.
John W. Noble	Philosophy	Allentown, Pa.
Homer M. Parker	Scientific	Philadelphia, Pa.
Charles L. Poust	Chemistry	Allentown, Pa.
Ralph Raker	Special	Shamokin, Pa.
William C. Rapp	Scientific	Allentown, Pa.
William S. Ritter	Scientific	Allentown, Pa.
Arthur D. Roderick	Chemistry	Hazleton, Pa.
Roy Rohr	Scientific	Bath, Pa.
Truman Rinker	Scientific	Hellertown, Pa.
Earl V. Schantz	Philosophy	Allentown, Pa.
Edward W. Schlechter	Scientific	Allentown, Pa.
Matthew D. Schugar	Scientific	Catasauqua, Pa.
Herbert D. Shook	Special	Bangor, Pa.
Harley J. Smith	Scientific	Allentown, Pa.
Russell E. Smith	Classical	Catasauqua, Pa.
Robert N. Taylor	Classical	Allentown, Pa.
Floyd W. Uhler	Chemistry	Stockertown. Pa.

Frederick D. Vreeland	Chemistry	Easton, Pa.
Robley DaCosta Walter	Scientific	Bethlehem, Pa.
Homer A. Weaver	Classical	Coopersburg, Pa.
Ernest A. Weber	Classical	Boyertown, Pa.
Ralph F. Wetherhold	Scientific	Allentown, Pa.
Earl E. Witmer	Philosophy	Richlandtown, Pa.
Russell Young	Classical	Macungie, Pa.
Edward Zimmerman	Scientific	Allentown, Pa.

Freshman, 61.

SATURDAY CLASS FOR TEACHERS.

Pauline Bachman	Allentown. Pa.
Carrie Becker	Emaus, Pa.
Harvey H. Becker	Emaus, Pa.
Jennie A. Bittenbender	Allentown, Pa.
Harriett Bowman	Allentown, Pa.
Myrtle Clark	Hockendauqua, Pa.
Leah Dieter	Allentown, Pa.
John H. Erdman	Allentown, Pa.
Verna German	Slatedale, Pa.
Leva R. Gery	Lanark, Pa.
Nettie Hahn	Allentown, Pa.
Carrie Handwerk	Slatedale, Pa.
Esther Heffner	Allentown. Pa.
A. L. Held	Fullerton, Pa.
M. L. Frankenfield	Perkasie, Pa.
Catharine Iobst	Emaus, Pa.
Mabel Kramlich	Allentown, Pa.
Emma Kratzer	Emaus, Pa.
Flossie F. Krause	Newside, Pa.
Stella Leaser	Allentown, Pa.
H. P. Lindaman	Catasauqua, Pa.
Orel Long	Allentown, Pa.
Grace E. Mill	Allentown, Pa.
Stella Newhard	Allentown, Pa.
Hannah Pennybacker	Allentown, Pa.
William H. Pomp	Bethlehem. Pa.
Lydia Rex	Slatington, Pa.
Matthew J. Smith	Emaus, Pa.
Sophia Stansfield	Emaus, Pa.
H. D. Steckel	Slatington, Pa.
Millie Steckel	Slatington, Pa.

ANNA STELTZ ..... Allentown, Pa.
DORA STUBER ..... Allentown, Pa.
H. H. WENTZ ..... Allentown, Pa.
SADIE WOODRING ..... Allentown, Pa.
Teachers' Class, 35.

SUMMARY.

Seniors	32
Juniors	32
Sophomores	42
Freshmen	61
	167
Students in Teachers' Class	35
Students in Preparatory School	104
	306
Names appearing twice	2
	304

ALUMNI.

1868.

Ernest A. Muhlenberg, Esq.....Reading, Pa.
William F. Muhlenberg, M.D., LL.D...Reading, Pa.
Rev. William H. Rickert..... Philadelphia, Pa.
Prof. Luther A. Swope.....Hanover, Pa.

1869.

*Rev. George D. Foust.....North Wales, Pa.
*Rev. Milton J. Kramlich.....Allentown, Pa.
Rev. Prof. Revere F. Weidner, D.D.,
LL.D. .....Chicago, Ill.

1870.

Frederick W. Butler.....Reading, Pa.
*Rev. Isaac N. S. Erb.....Orwigsburg, Pa.
Rev. Prof. William K. Frick, D.D..... Milwaukee, Wis.
*Rev. John J. Kuntz.....Allentown, Pa.
*William H. Kuntz, M.D.....New Castle, Del.
Rev. John W. Rumple, Ph.D.....Brooklyn, N. Y.
Rev. Samuel A. Ziegenfuss, D.D.....Strassburg, Pa.

1871.

Richard H. Beck, M.D.....Hecktown, Pa.
*John H. Garber.....Salinas City, Cal.
*David S. Hoffman, M. D.....San Diego, Cal.
*Charles H. Keller.....Philadelphia, Pa.
*Prof. Benjamin F. Knerr.....South Evanston, Ill.
Rev. Charles S. Kohler.....Cleveland, Ohio.
Eugene C. Lochman, Esq.....New York, N. Y.
*Rev. Achilles J. Long.....Stouchsburg, Pa.
*Rev. Jacob H. Neiman..... Shillington, Pa.
Rev. Prof. Jeremiah F. Ohl, Mus. Doc..Philadelphia, Pa.
Rev. Hiram Peters, D.D.....Lewisburg, Ohio.
*Rev. Oliver P. Smith, D.D.....Pottstown, Pa.
*Rev. Henry B. Strodach..... Reading, Pa.
*Henry W. Woodward, Esq.....Philadelphia, Pa.

*Deceased.

1872.

Rev. William A. Beates.....Lancaster, Ohio.
*Rev. D. Levin Coleman.....Easton, Pa.
*Martin L. Fritch.....Philadelphia, Pa.
Rev. Samuel W. Kuhns.....Woodstock, Va.
*Rev. William H. Laubenstein.....Tamaqua, Pa.
Rev. Alpheus D. Potts, D.D.....Chambersburg, Pa.
Rev. Myron O. Rath.....Allentown, Pa.
*Rev. George H. Rhodes.....Gouldsboro, Pa.
*Rev. J. George Schaidt.....New Haven, W. Va.
Rev. John A. Scheffer.....Allentown, Pa.
William P. Snyder.....New York, N. Y.
*Horatio R. Trexler.....Reading, Pa.
*Rev. John M. Uhrich.....Pillow, Pa.
*Rev. George T. Weibel.....Churchtown, Pa.

1873.

Rev. Prof. John A. Bauman, Ph.D.....Allentown, Pa.
*Harry P. Cooper.....Emaus, Pa.
Rev. Jesse S. Erb.....Slatington, Pa.
*Frank C. Erdman, M.D.....Centre Valley, Pa.
Rev. Prof. G. H. Gerberding, D.D.....Chicago, Ill.
Oscar S. Grim.....Allentown, Pa.
Howard Himmelwright.....Tyrone, Pa.
Rev. Charles J. Hirzel.....Philadelphia, Pa.
Charles B. Keller.....Lancaster, Pa.
Hon. George F. Kribbs.....Kissimmee, Fla.
Rev. George G. Kunkle.....Sherodsville, Ohio.
Oscar Meyer.....Chicago, Ill.
Rev. William H. Myers.....Reading, Pa.
*Rev. John Nicum, D.D.....Rochester, N. Y.
Rev. Asher P. Pflueger.....Ringtown, Pa.
Prof. Francis D. Raub.....Allentown, Pa.
Rev. D. Luther Roth, D.D.....Pittsburg, Pa.
Rev. Luther M. C. Weicksel.....Renovo, Pa.
*Rev. Julius A. J. Zahn.....Greenville, Pa.

1874.

Rev. James L. Becker, D.D.....Lansdale, Pa.
*Albert J. Erdman, Esq.....Allentown, Pa.
Rev. Asa E. Erdman.....Nazareth, Pa.
*David F. Eyster, Esq.....Camp Hill, Pa.

Hon. Milton C. Henninger.....Allentown, Pa.
Oscar E. Holman, Esq.....St. Paul, Minn.
*Hon. Marcus C. L. Kline.....Allentown, Pa.
*Alfred M. Koons, D.D.S.....Patch Creek, N. Y
Monroe T. Kuntz, M.D.....Mulberry, Ind.
William A. Lichtenwallner, Esq.....Los Angeles, Cal.
Hon. James L. Schaadt.....Allentown, Pa.
Adam H. Schmehl, Esq.....Reading, Pa.
Prof. Edgar D. Shimer, Ph.D., LL.D.....Jamaica, N. Y.
Rev. Jacob Q. Upp.....South Easton, Pa.

1875.

John W. Albrecht.....Warren, Pa.
*Wilson S. Berlin, M.D.....Allentown, Pa.
Rev. Jonas P. German.....Fritztown, Pa.
Rev. Charles H. Hemsath.....Bethlehem, Pa.
Rev. Newton J. Miller.....Williamsport, Pa.
*Rev. William A. Passavant, Jr.....Milwaukee, Wis.
Edwin H. Stine, Esq.....Allentown, Pa.

1876.

Charles H. Camp, Esq.....Williamsport, Pa.
Rev. Henry T. Clymer.....Lancaster, Pa.
Constantine D. Kiehel, Esq.....Rochester, N. Y.
*Rev. Jeremiah H. Kline.....Rochester, Pa.
*Hon. Frank E. Meily.....Lebanon, Pa.
Henry M. Muhlenberg, Ph.G.....Reading, Pa.
Rev. Solomon E. Ochsenford, D.D. ....Bath, Pa.
John M. Smeltzer.....Myerstown, Pa.
John D. Uhrich, Esq.....Grantville, Pa.

1877.

*Rev. William J. Bieber.....Hellertown, Pa.
Michael A. Gruber.....Washington, D. C.
*Jacob H. Losch, Esq.....West Point, Neb.
*Rev. William J. Miller, D.D.....Greensburg, Pa.
Rev. Prof. John Sander, L.H.D.....Lindstrom, Minn.
*Rev. Wilbert P. Shanor.....Allegheny, Pa.
George M. VanBuskirk, Esq.....New York, N. Y.
Rev. M. Luther Zweizig.....Reading, Pa.

1878.

Rev. Charles L. Fry, D.D..... Catasauqua, Pa.
*Preston M. Gernet, Esq.....Bethlehem, Pa.
*Hon. Henry H. Herbst, M.D.....Allentown, Pa.
Rev. Frederick W. Kohler.....Rochester, Pa.
*Hiram P. Kuntz.....Hazleton, Pa.
Rev. D. Henry Reiter.....Richland Centre, Pa.
Prof. Oliver G. J. Schaadt, Ph.D.....New York, N. Y.
*Emerson F. Schock, Esq.....Allentown, Pa.
Rev. Daniel A. Shetler.....Philadelphia, Pa.
*Rev. Prof. James D. Woodring, D.D.....Myerstown, Pa.

1879.

Rev. Carl N. Conrad, Ph.D., S.T.D.....Rochester, N. Y.
Rev. Julius W. Knapp, Ph.D.....New York, N. Y.
George D. Krause.....Lebanon, Pa.
Edwin J. Lichtenwallner, Esq.....Allentown, Pa.
Rev. Wilson M. Rehrig, Ph.D.....Mauch Chunk, Pa.
*Hon. John K. Reinoehl, M.D.....Lebanon, Pa.
Alfred J. P. Roth.....Allentown, Pa.
*George B. Schock, Esq.....Lebanon, Pa.
*Rev. Charles S. Seaman.....Adamsburg, Pa.
Rev. George S. Seaman..... Leesport, Pa.
Hon. Frank M. Trexler, LL.D..... Allentown, Pa.
Rev. John N. Wetzler, Ph.D., D.D.....Brick Church, Pa.

1880.

Rev. James F. Beates.....St. Paul, Minn.
Prof. George T. Ettinger, Ph.D.....Allentown, Pa.
*Jonas F. Kline, Esq.....Allentown, Pa.
Rev. J. Walker Klingler.....Tremont, Pa.
Marvin O. Koons.....Lehighton, Pa.
*Benjamin Sadtler, B.S., '83.....Denver, Col.
Robert W. Steckel.....Twin Lakes, Col.
Rev. Solomon B. Stupp.....Springfield, Ohio.
Rev. John H. Umbenhen, Ph.D.....Pottsville, Pa.
Rev. Wilson Yeisley.....Greenville, Pa.

1881.

*Thomas M. Angstadt, M.D.....Mahone Bay, N. S.
Rev. Clayton L. Holloway.....Long Beach, Cal.
*William F. Kistler.....Fort Quitman, Tex.

*David J. M. Kuntz, Esq.....Brooklyn, N. Y.
Hon. Joseph W. Mayne.....Allentown, Pa.
Rev. Luther M. McCreery.....Morrisburg, Ont.
*Rev. Oscar D. Miller.....Allentown, Pa.
Frank H. Reinoehl.....Lebanon, Pa.
*Rev. Charles E. Sandt.....Allentown, Pa.
*J. Allen Schaadt.....Philadelphia, Pa.
Rev. Frank H. Uhrich.....Myerstown, Pa.
James T. Woodring, Esq.....South Bethlehem, Pa.

1882.

Rev. Lewis J. Bickel.....Pottstown, Pa.
Austin A. Glick, Esq.....Catasauqua, Pa.
William R. Grim, Esq.....Texarkana, Tex.
Hon. Aaron B. Hassler.....Lancaster, Pa.
*Rev. Andrew J. Heissler.....Albany, N. Y.
David R. Horne, Esq.....Allentown, Pa.
Rev. Jacob W. Lazarus.....Vinemont. Pa.
Rev. William H. Medlar.....York, Nebraska.
Rev. Edwin L. Miller.....Boston, Mass.
Noah W. Reichard, M.D.....Bangor, Pa.
*Horace Reiter.....Aten, Neb.
Rev. Robert D. Roeder.....DuBois, Pa.
Prof. Samuel C. Schmucker, Ph.D.....West Chester, Pa.
Rev. Edwin H. Smoll.....Schuylkill Haven, Pa.
Oscar J. Stine, Esq.....Catasauqua, Pa.
*Rev. Thomas M. Yundt.....Womelsdorf, Pa.
J. Henry Zweizig, Esq.....Reading, Pa.

1883.

Rev. Jacob J. G. Dubbs.....Coopersburg, Pa.
Rev. John J. Foust.....Rockville Centre, N. Y.
Rev. John C. Graepp.....Krem, N. D.
Prof. M. Luther Horne.....Allentown, Pa.
Francis Kayser.....Philadelphia, Pa.
Charles E. Keck, Esq.....Wilkes-Barre, Pa.
Rev. John J. Kline, Ph.D.....Pottstown, Pa.
Dexter L. Rambo.....Chester, S. C.
Rev. Jeremiah H. Ritter.....Allentown, Pa.
Rev. Prof. Wm. A. Sadtler, Ph.D.....Atchison, Kansas.
Rev. James O. Schlenker.....Allentown, Pa.
*Rev. William F. Schoener.....South Bethlehem, Pa.

Rev. R. Morris Smith, Ph.D.....Washington, Pa.
N. Wiley Thomas, B.S., Ph.D.....Philadelphia, Pa.
*Irwin S. Uhler, Esq..... Easton, Pa.

1884.

Milton W. Bohn.....Norfolk, Va.
*Rev. Alfred J. L. Breinig..... Bowmanstown, Pa.
John M. Dettra, Esq.....Norristown, Pa.
Prof. Albert B. Erb.....Yorktown, Tex.
Rev. William J. Finck.....New Market, Va.
Rev. Herman C. Fox, D.D.....Scranton, Pa.
Rev. John J. Heissler.....Trenton, N. J.
Rev. William D. C. Keiter, D.D.....Allentown, Pa.
Rev. Prof. Elmer F. Krauss, D.D.....Chicago, Ill.
Rev. Hiram J. Kuder.....South Bethlehem, Pa.
Rev. James O. Leibensperger.....South Bethlehem, Pa.
Rev. Oscar E. Pflueger.....Womelsdorf, Pa.
Rev. James J. Reitz.....Walnutport, Pa.
Rev. George J. Schaeffer.....Hepler, Pa.
Rev. George M. Scheidy, B.E.....Allentown, Pa.
Jacob W. Uhrich.....Grantville, Pa.
Valentine J. Uhrich, Esq.....Lebanon, Pa.
Rev. Prof. C. Ernest Wagner.....Lancaster, Pa.
Rev. Samuel G. Weiskotten, D.D.....Brooklyn, N. Y.
Ira Wise, B.S.....Allentown, Pa.
Rev. Prof. William H. Zuber.....Jeanette, Pa.

1885.

Rev. Prof. Charles C. Boyer, Ph.D.....Kutztown, Pa.
*Daniel E. Brunner.....Reading, Pa.
Rev. Frank F. Fry.....Rochester, N. Y.
Rev. C. F. William Hoppe.....Savannah, Ga.
*Elmer E. Johnson, M.D.....Philadelphia, Pa.
Francis G. Lewis, Esq.....Allentown, Pa.
Rev. Robert B. Lynch.....Kutztown, Pa.
Rev. A. Miles Mehrkam..... Rochester, Pa.
Wilson K. Mohr, Esq.....Allentown, Pa.
Howard S. Seip, D.D.S.....Allentown, Pa.
Rev. Adam M. Weber.....Boyertown, Pa.
Rev. William Weicksel.....New Mayville, Pa.
Rev. Elias A. Yehl.....Bangor, Pa.

1886.

*Forest M. Fox.....Sumneytown, Pa.
Rev. Charles W. Jefferis.....Doylestown, Pa.
Rev. Edwin F. Keever.....Utica, N. Y.
Samuel J. Kistler, Esq.....Allentown, Pa.
Prof. Elmer P. Kohler, Ph.D.....Bryn Mawr, Pa.
*Rev. Ernest T. Kretschmann, Ph.D....Anderson, Ind.
A. Grant Loder, M.D.....Philadelphia, Pa.
Rev. John F. Nicholas, D.D.....Haddon Heights, N. J.
Samuel N. Potteiger, Esq.....Reading, Pa.
George A. Prediger, Esq.....Pittsfield, Mass.
Elmer O. Reyer, Esq.....Northampton, Pa.
Rev. Nelson F. Schmidt.....Schwenksville, Pa.
J. Jeremiah Snyder, Esq.....Allentown, Pa.
Rev. John H. Waidelich.....Sellersville, Pa.
Rev. Henry W. Warmkessel.....Reading, Pa.
*Harry K. Weaver.....New Holland, Pa.

1887.

Rev. James R. Brown.....Reading, Pa.
Raymond E. Butz, M.D.....York, Pa.
Reuben J. Butz, Esq.....Allentown, Pa.
Preston R. Dry.....Reading, Pa.
*Rev. Tilghman F. German.....Philadelphia, Pa.
Milton J. Kuehner.....Allentown, Pa.
Rev. Wm. W. Kramlich.....New Ringgold, Pa.
Prof. George A. Miller, Ph.D.....Urbana, Ill.
Rev. John W. Richards.....Lima, Ohio.
*Clinton J. Schadt, M.D.....New York, N. Y.
Rev. George E. Schettler.....Clarence Center, N. Y.
*Rev. Frank M. Seip.....Allentown, Pa.

1888.

Rev. William F. Bond.....Shamrock, Pa.
Rev. Charles D. Clauss.....Hammonton, N. J.
Rev. Clinton R. Fetter.....Telford, Pa.
Rev. George Gebert.....Tamaqua, Pa.
Rev. David G. Gerberich.....Prospect, Pa.
*Alfred W. Kistler.....Kempton, Pa.
Rev. James F. Lambert.....Catasauqua, Pa.

Ralph Metzger, Esq.....Allentown, Pa.
Rev. Edward F. Ritter.....Lancaster, O.
Henry F. Schantz, M.D.....Reading, Pa.
Rev. Oscar S. Scheirer.....Stony Run, Pa.
George R. Ulrich, D.D.S.....Philadelphia, Pa.
Rev. John M. Wenrich.....Wapakoneta, O.

1889.

Rev. Ernest M. Grahn.....Albany, N. Y.
J. Wyllis Hassler, M.D.....New York, N. Y.
*Rev. John B. Heil.....Germansville, Pa.
Rev. John W. Horine.....Philadelphia, Pa.
Rev. Preston A. Laury.....Perkasie, Pa.
Rev. Elmer O. Leopold.....Allentown, Pa.
Rev. Frank C. Oberly.....Greenville, Pa.
Rev. John H. Raker.....Allentown, Pa.

1890.

Albert J. Bittner, M.D.....Allentown, Pa.
Rev. William O. Fegely.....Trappe, Pa.
David J. Gimlich.....Pittsfield, Mass.
*Alfred K. Keck.....White Haven, Pa.
Rev. George S. Kleckner.....Nazareth, Pa.
Rev. Irwin B. Kurtz.....Pottstown, Pa.
Evan B. Lewis, LL.B.....Philadelphia, Pa.
Rev. Jacob H. Longacre.....Slatington, Pa.
Nathan D. Martin.....Allentown, Pa.
Rev. Nevin E. Miller.....Phœnixville, Pa.
Henry F. Pflueger, M.D.....Philadelphia, Pa.
Rev. J. Charles Rausch.....Allentown, Pa.
Rev. Irwin B. Ritter.....Allentown, Pa.
John F. Saeger.....Allentown, Pa.
Martin G. Schaeffer, Esq.....Lancaster, Pa.
Ira E. Seidle, Esq.....Lehighton, Pa.
Harry S. Snyder, M.D.....Allentown, Pa.
Rev. Samuel J. Ulrich.....Burnham, Pa.
Samuel R. Weaver, Esq.....Lancaster, Pa.
Rev. James B. Werner.....Stamford, Conn.
John J. Yingling.....Allentown, Pa.
*Hon. Alfred J. Yost, M.D.....Allentown, Pa.

1891.

REUBEN H. BACHMAN.....Edenton, N. C.
REV. MILTON J. BIEBER.....Berlin, Canada.
REV. GEORGE S. BUTZ, PH.D.....Littlestown, Pa.
WILLIAM H. COOPER, M.D.....Oakmont, Pa.
PROF. MARTIN S. HARTING.....Allentown, Pa.
HENRY H. HOWER.....Danielsville, Pa.
CHESTER F. KIEHEL, ESQ.....Rochester, N. Y.
REV. WILLIAM W. KISTLER.....Coopersburg, Pa.
EDWIN D. MEIXELL.....Cressona, Pa.
REV. HARRISON E. MOYER.....Aquashicola, Pa.
*PROF. PRESTON P. RODENBERGER.....Charles City, Iowa.
REV. WILLIAM P. SACHS.....St. Louis, Mo.
REV. HIRAM F. J. SENEKER.....Pottstown, Pa.
JOSEPH P. SHIMER.....Allentown, Pa.
REV. CHARLES C. SNYDER.....Richlandtown, Pa.
REV. C. WILLIAM T. STRASSER.....Stroudsburg, Pa.

1892.

CLARENCE BECK, ESQ.....Easton, Pa.
OSCAR F. BERNHEIM.....Allentown, Pa.
REV. ULYSSES S. G. BERTOLET.....Philadelphia, Pa.
REV. EDWIN M. BEYSHER.....Sayre, Pa.
HARVEY P. BUTZ.....Seattle, Wash.
REV. FREDERICK DOERR.....Wilmington, Del.
PROF. J. RICHMOND MERKEL.....Kingston, Pa.
REV. ADAM L. RAMER, PH.D..... Allentown, Pa.
REV. H. BRANSON RICHARDS.....Lebanon, Pa.
REV. CHARLES G. SPIEKER.....Scranton, Pa.
FREDERICK W. SPIEKER, D.D.S.....Portland, Ore.
REV. ISAAC H. STETLER.....Monaca, Pa.
REV. EDWARD H. TRAFFORD.....Brooklyn, N. Y.
PAUL S. ULRICH.....Lebanon, Pa.
*LEO WISE, ESQ.....Allentown, Pa.

1893.

RODERICK E. ALBRIGHT, M.D.....Allentown, Pa.
SAMUEL B. ANEWALT, JR.....Allentown, Pa.
WILLIAM B. BROBST.....Wallawalla, Wash.
REV. ALFRED O. EBERT.....New Tripoli, Pa.
REV. CHARLES J. GABLE.....Melrose, Pa.

Rev. George A. Kercher.....Norristown, Pa.
Edwin T. Kunkle.....Stroudsburg, Pa.
Rev. William O. Laub.....Reading, Pa.
Rev. Ambrose W. Leibensperger.....Lebanon, Pa.
Charles L. Lichtenwallner.....Lansdale, Pa.
Rev. Joshua H. Miller, Ph.D.....New Castle, Pa.
Edwin J. Mosser, Esq.....Chicago, Ill.
William F. Mosser.....Bethlehem, Pa.
Hon. William Rick .....Reading, Pa.
*Prof. Charles E. Roos.....New Orleans, La.
Rev. Melville B. Schmoyer.....Allentown, Pa.
Rev. P. George Sieger.....Lancaster, Pa.
Wilson G. Smoyer.....Allentown, Pa.
Rev. Eugene Stetler.....Trevorton, Pa.
Harry A. Yetter, LL.B.....Binghamton, N. Y

1894.

Rev. George D. Druckenmiller.....Hamburg, Pa.
Ira T. Erdman, Esq.....Allentown, Pa.
Max S. Erdman, Esq.....Allentown, Pa.
Malcolm W. Gross, Esq.....Allentown, Pa.
Rev. J. William H. Heintz.....Philadelphia, Pa.
Allen V. Heyl.....Allentown, Pa.
Rev. William U. Kistler.....Pennsburg, Pa.
Rev. Harry C. Kline.....Bethlehem, Pa.
Rev. Frank C. Longaker.....Zelienople, Pa
Rev. George C. Loos.....Brooklyn, N. Y.
*Prof. William H. S. Miller.....Allentown, Pa.
David A. Miller.....Allentown, Pa.
Samuel P. Miller.....Allentown, Pa.
Rev. Warren Nickel.....Souderton, Pa.
George S. Opp, Mus. B.....Philadelphia, Pa.
*Martin L. Trexler.....Bernville, Pa.
Rev. Frederick W. Wackernagel.....Allentown, Pa.
Rev. Edwin S. Woodring.....Allentown, Pa.
Rev. Charles D. Zweier.....Sunbury, Pa.

1895.

Rev. Victor J. Bauer.....Bethlehem, Pa.
*Rev. Vitalis J. Becker.....Springfield, O.
Rev. Preston A. Behler.....Allentown, Pa.
Forley Ebert.....Millville, N. J.

Rev. Warren J. Ellis.....Greenville, Pa.
Rev. Luther D. Gable.....Brooklyn, N. Y.
Ammon A. Killian, Ph.D.....Susquehanna, Pa.
Rev. Charles E. Kistler.....Reading, Pa.
Rev. Edward H. Kistler.....Moorestown, N. J.
Rev. Frederick C. Krapf.....Hershey, Pa.
Rev. Luther D. Lazarus.....West Bethlehem, Pa.
Rev. Philip A. Lentz.....Ellwood City, Pa.
Newton T. Miller.....Philadelphia, Pa.
Rev. Harry P. Miller.....Bethlehem, Pa.
Prof. John E. Sandt.....Reading, Pa.
Morris E. Schadt.....Schadts, Pa.
William J. Schmidt.....Freeland, Pa.
Rev. Elmer E. Snyder.....Easton, Pa.
Wellington J. Snyder, Esq.....Philadelphia, Pa.
Joseph H. Stopp, Esq.....Philadelphia, Pa.

1896.

Rev. William Penn Barr.....Weatherly, Pa.
Preston H. Breinig.....Egypt, Pa.
Rev. Frederick E. Cooper.....Milwaukee, Wis.
Rev. George W. Genszler.....Columbia, Pa.
Rev. George A. Greiss.....Allentown, Pa.
Prof. Samuel I. Henry.....Wyomissing, Pa.
Marcus S. Hottenstein, Esq.....Allentown, Pa.
Rev. J. Frederick Kramlich.....Royersford, Pa.
Oren R. B. Leidy, Esq.....New York, N. Y.
Rev. Milton U. Reinhard.....Allentown, Pa.
Major Thomas L. Rhoads, M.D.....Washington, D. C.
Rev. Jeremiah J. Schindel.....Allentown, Pa.
Joseph C. Slough, Esq.....Allentown, Pa.
Rev. John F. Snyder.....Reading, Pa.
George T. Spang, Esq.....Lebanon, Pa.
Rev. William A. Steinbicker.....Brooklyn, N. Y.
Rev. Marvin H. Stettler.....Reading, Pa.
Rev. S. A. Bridges Stopp.....Allentown, Pa.
Rev. Paul Z. Strodach.....Philadelphia, Pa.
Rev. Samuel G. Trexler.....Brooklyn, N. Y.
Rev. L. Domer Ulrich.....Wilkes-Barre, Pa.
Rev. William Marion Weaver.....Lunenberg, N. S.
Rev. Edgar P. Xander.....Valley View, Pa.
Prof. John M. Yetter, Pd.D.....East Stroudsburg, Pa.

1897.

Prof. Clinton J. Everett.....Plymouth, N. C.
Rev. William H. Fehr.....Harrisburg, Pa.
Rev. William K. Fisher.....Wyomissing, Pa.
Rev. Franklin K. Fretz, Ph.D.....Easton, Pa.
Alfred S. Hartzell, Esq.....Allentown, Pa.
Rev. Wilmer F. Heldt.....Conyngham, Pa.
Rev. Aaron Henry Klick.....Pine Grove, Pa.
Rev. Ira W. Klick.....Marietta, Pa.
Willard D. Kline, M.D.....Allentown, Pa.
Rev. William M. Kopenhaver.....Macungie, Pa.
Prof. George E. Kramlich.....Galveston, Texas.
George F. Kuhl.....Allentown, Pa.
Rev. Henry K. Lantz.....Shiremanstown, Pa.
Rev. Gomer B. Matthews.....St. Clair, Pa.
Rev. Christian C. Miller.....Honesdale, Pa.
Rev. Francis Miller.....Philadelphia, Pa.
Rev. Ira O. Nothstein.....Rock Island, Ill.
Jay E. Reed.....Pillow, Pa.
Rev. Archibald C. Schenck.....Philadelphia, Pa.
Rev. H. Morris Schofer.....Red Cross, Pa.
Rev. Edgar E. Sieger.....Allentown, Pa.
John F. Stine.....Allentown, Pa.
John H. Sykes.....Allentown, Pa.
Jacob A. Trexler, M.D.....Lehighton, Pa.

1898.

Rev. Charles G. Beck.....North Wales, Pa.
*Rev. William A. Bilheimer.....Youngwood, Pa.
John T. Eckert, Jr., M.D.....Allentown, Pa.
George F. Erdman.....Allentown, Pa.
John S. Fegley, Phar.D.....Allentown, Pa.
Rev. Levi F. Gruber.....Minneapolis, Minn.
Rev. Henry F. Hehl.....Philadelphia, Pa.
Rev. William S. Heist.....Scranton, Pa.
Rev. David C. Kaufman.....Emaus, Pa.
Emile J. Keuling.....Scranton, Pa.
*Rev. Edwin L. Kistler.....Sunbury, Pa.
Marvin L. Kleppinger.....Allentown, Pa.
Rev. Prof. George S. Kressley.....Kutztown, Pa.
Edwin T. Laubach.....Catasauqua, Pa.
Rev. George I. Lenker..... Southern Pines, N. C.

Rev. Bernard Repass.....Kimberton, Pa.
Rev. Will E. Steckel.....Doylestown, Pa.
Rev. John K. Sullenberger.....Allentown, Pa.
John P. Walter.....Ensley, Ala.
Rev. Wesley E. Wenner.....Stone Church, Pa.

1899.

Rev. Willis Beck.....Zumbrota, Minn.
Rev. John A. Bender .....Scranton, Pa.
Rev. James Berg.....Mt. Vernon, N. Y.
Rev. Frank N. D. Buchman.....State College, Pa.
George John Case.....Hokendauqua, Pa.
Rev. D. Elmer Fetherolf.....Pillow, Pa.
Fred. A. Fetherolf, M.S., M.D.....Allentown, Pa.
Luther Warren Fritch.....Macungie, Pa.
F. Nathan Fritch.....Bethlehem, Pa.
John G. Hartley.....Philadelphia, Pa.
Hon. R. K. Hartzell, M.S., M.D.....Reno, Nev.
Wm. A. Hausman, Jr., M.S., M.D.....Allentown, Pa.
Rev. Edgar J. Heilman.....Elizabethville, Pa.
Leidy B. Heist.....Limeport, Pa.
Rev. Jonas Oscar Henry.....Topton, Pa.
Rev. Jonathan A. Klick.....Nazareth, Pa.
Rev. John W. Koch.....Allentown, Pa.
Rev. John Kopp.....Port Chester, N. Y.
Ambrose A. Kunkle.....Detroit, Mich.
Rev. Howard A. Kunkle.....Allentown, Pa.
Harry R. McCullough.....Allentown, Pa.
Edward Raker, Esq.....Shamokin, Pa.
Charles H. Reagle.....Roselle, N. J.
Rev. Willoughby F. Rex.....Racine, Wis.
Rev. William J. Seiberling.....Mulberry, Ind.
Ira C. Steigerwalt.....Sittler, Pa.
Peter S. Trumbower.....Nazareth, Pa.

1900.

Arthur G. Beck.....Eksha, Canada.
Frederick R. Bausch, M.D.....Allentown, Pa.
Rev. Elmer D. S. Boyer.....Lafayette, Ind.
Rev. George R. Deisher.....Jonestown, Pa.
Frederick L. Erb.....Slatington, Pa.
Rev. Charles K. Fegley.....Allentown, Pa.

Rev. Arthur G. Flexer.....Mauch Chunk, Pa.
Prof. Robert R. Fritsch.....Allentown, Pa.
Prof. Robert C. Horn.....Allentown, Pa.
Rev. William M. Horn.....New York, N. Y.
Victor J. Koch, M.S., M.D.....Nazareth, Pa.
Rev. Paul G. Krutzky.....Lykens, Pa.
Rev. Franklin S. Kuntz.....Philadelphia, Pa.
Raymond W. Lentz.....Allentown, Pa.
Edgar C. Statler, M.D.....Allentown, Pa.
Rev. Harvey L. Straub.....Lehighton, Pa.
Rev. Lewis S. Trump.....Easton, Pa.
Abraham B. Yerger.....Basking Ridge, N. J.

1901.

Rev. Allen L. Benner.....Richmond Hill, N. Y.
Clarence Bickel.....Philadelphia, Pa.
George H. Drumheller.....Earlville, Pa.
James M. Fetherolf.....Ogden, Utah.
William P. Fetherolf.....Santa Monica, Cal.
Daniel W. Hamm, M.S.....Allentown, Pa.
Ralph E. Kline.....New York, N. Y.
Raymond H. Kressler.....Allentown, Pa.
Harry S. Landis.....Allentown, Pa.
Irwin E. Nagle.....Allentown, Pa.
George L. Raether, B.S.....Belleville, Ont.
Fred. P. Reagle.....Montclair, N. J.
Rev. George K. Rubrecht.....Milwaukee, Wis.
Percy B. Ruhe.....Allentown, Pa.
Rev. Irwin O. Schell.....Quakertown, Pa.
Herbert J. Schmoyer, M.S., M.D.....Bethlehem, Pa.
Rev. John Schofer.....Stoutsville, Ohio.
Luther Serfass.....Newcastle, Pa.
Howard E. Shimer.....Newton, N. J.
Rev. Hiram F. Sieger.....Northampton, Pa.
Rev. Edward J. Wackernagel.....Toledo, Ohio.
Rev. S. Martin Wenrich.....East Bangor, Pa.
Rev. J. Howard Worth.....Pittsburgh, Pa.
Thomas McH. Yoder, B.S.....Chicago, Ill.

1902.

Rev. Allen R. Appel.....Northampton, Pa.
Charles C. Bachman.....Northampton, Pa.

EFENGER A. BARTHOLOMEW.....Philadelphia, Pa.
REV. WALTER C. BECK.....Warren, Pa.
H. PHILEMON BRUNNER.....Reading, Pa.
*REV. GEORGE S. FEGELY.....Souderton, Pa.
J. RALPHUS FREED, ESQ.....Doylestown, Pa.
REV. WILLIAM H. GABLE.....Superior, Wis.
WARREN GEIGER.....Norristown, Pa.
CHARLES L. H. GLASE.....Oley, Pa.
REV. MATTHIAS R. HEILIG..... Dansville, N. Y.
LEWIS A. INK.....Duluth, Minn.
REV. JACOB S. KISTLER.....East Stroudsburg, Pa.
PROF. QUINCY A. KUEHNER, PH.D..... Allentown, Pa.
REV. ANSON W. LINDENMUTH.....Pottstown, Pa.
THEODORE L. LINDENSTRUTH.....Wilkes-Barre, Pa.
RUSSEL B. LYNN, B.S., M.D.....Elmira, N. Y.
MOULTON E. MCFETRIDGE.....Allentown, Pa.
WILLIAM M. D. MILLER, B.S.....Columbia, Pa.
REV. SAMUEL E. MOYER.....Friedensburg, Pa.
LAWRENCE H. RUPP, ESQ..... Allentown, Pa.
REV. JACOB F. SCHOLL.....West Newton, Pa.
REV. FRANK M. UHRICH.....Philadelphia, Pa.
REV. JOSEPH L. WEISLEY.....Forty Fort, Pa.
*JOHN M. WOODRING, B.S.....Allentown, Pa.
CLINTON ZERWECK.....Newark, N. J.

1903.

HARRY E. BARNDT.....Sellersville, Pa.
REV. OLIVER R. BITTNER..... Grantville, Pa.
REV. FRANK CROMAN.....Elizabethtown, Pa.
REV. FRANKLIN T. ESTERLY.....Mahanoy City, Pa.
JOHN B. GEISINGER.....DuBois, Pa.
PROF. JACOB D. HEILMAN, PH.D.....Greeley, Col.
REV. ERWIN R. JAXHEIMER.....Woodhaven, N. Y.
REV. ROGER C. KAUFMAN..... Woodstock, Ill.
EDWIN K. KLINE, ESQ..... Allentown, Pa.
REV. MELVIN A. KURTZ.....Boyertown, Pa.
EDWARD G. LEEFELDT.....Staatsburg, N. Y.
R. LORENTZ MILLER.....Emaus, Pa.
REV. PAUL J. NEFF.....Philadelphia, Pa.
*H. E. ORFF.....Reading, Pa.
REV. AUGUSTUS W. ROHRIG.....Hazleton, Pa.
WILLIAM H. B. ROTH.....Reading, Pa.
REV. ROBERT SCHLOTTER..... Perth Amboy, N. J.

IRVIN M. SHALTER.....Allentown, Pa.
HARRY W. SHIMER.....Siegfried, Pa.
REV. ARTHUR L. SMITH..... Ricketts, Pa.
GEORGE W. SPECHT.....Hokendauqua, Pa.
REV. C. DANIEL TREXLER.....Brooklyn, N. Y.
JOSEPH M. WEAVER, B.S., M.D.....Allentown, Pa.
CHARLES W. WEBB, ESQ.....Allentown, Pa.
MERVIN J. WERTMAN.....Orefield, Pa.
REV. ORLANDO S. YERGER.....Brooklyn, N. Y.
REV. ALVIN E. YOUSE.....Myerstown, Pa.

1904.

WARREN F. ACKER.....Allentown, Pa.
REV. MARK L. BURGER.....Reading, Pa.
REV. LAWRENCE G. DEILY.....Toledo, Ohio.
FRANK B. DENNIS.....Nazareth, Pa.
REV. MILTON M. DRY..... Aristes, Pa.
ELLIS W. ERNEY..... New Waterford, O.
REV. JOHN C. FISHER..... Philadelphia, Pa.
HANS S. GARDNER.....Dante, Va.
BENTON W. H. GOLDSMITH.....Catasauqua, Pa.
LAWRENCE GRIESEMER.....New York, N. Y.
CHARLES A. HAINES.....Slatington, Pa.
EUGENE M. HANDWERK.....Germansville, Pa.
REV. WALTER J. HUNTSINGER.....Camden, N. J.
WILLIAM H. KEBOCH..... Cetronia, Pa.
REV. J. FRANKLIN KELLER.....Fogelsville, Pa.
WILLIAM R. KLECKNER.....Cementon, Pa.
PETER W. LEISENRING.....Allentown, Pa.
REV. LAWRENCE R. MILLER..... Mountville, Pa.
REV. FRANCIS E. REICHARD.....Packerton, Pa.
STILLE A. RENTZHEIMER, B.S.....Hellertown, Pa.
REV. GEORGE H. RHODES.....Rural Retreat, Va.
REV. HORACE B. RITTER.....Hellertown, Pa.
REV. NORMAN Y. RITTER..... Quakertown, Pa.
GEORGE W. SHERER.....Allentown, Pa.
CHARLES A. SMITH.....New York, N. Y.
REV. DANIEL I. SULTZBACH..... Philadelphia, Pa.
REV. MARTIN J. SWANK..... St. Johns, Pa.
ARTHUR L. WUCHTER.....Allentown, Pa.

1905.

DALLAS H. BASTIAN.....Philadelphia, Pa.
REV. CHARLES H. BOHNER.....Atlantic City, N. J.
REV. WIRT A. DRIES.....Sunbury, Pa.
HERBERT F. GERNERT, B.S.....Trexlertown, Pa.
GEORGE E. K. GUTH.....Allentown, Pa.
REV. CHARLES G. HEFFNER.....Mohnton, Pa.
JOHN J. HEILMAN.....Walberts, Pa.
REV. CLARENCE E. KEISER.....New Haven, Conn.
REV. I. HOWARD KERN, S.T.D. .....Frackville, Pa.
REV. HARVEY S. KIDD.....Allentown, Pa.
REV. WILLIAM H. KLINE.....Topton, Pa.
JOHN J. MARCKS.....Wescoesville, Pa.
CHARLES W. REINERT.....Coplay, Pa.
REV. FRANK H. REITER.....Philadelphia, Pa.
ROBERT K. ROSENBERGER, B.S., M.D.....Schenectady, N. Y.
CLAUDE G. SHANKWEILER.....Allentown, Pa.
REV. SVEN O. SIGMOND.....Brooklyn, N. Y.
*J. R. TALLMAN.....Pottsville, Pa.
REV. G. LUTHER WEIBEL.....Bareville, Pa.

1906.

REV. THOMAS H. BACHMAN.....Neffs, Pa.
PRESTON A. BARBA, PH.D.....Bloomington. Ind.
WARREN E. BITTNER.....Allentown, Pa.
REV. JOHN D. M. BROWN.....Allentown, Pa.
*HARRY J. BUTZ, B.S.....Breinigsville, Pa.
REV. WILLIAM S. DRY.....Stouchsburg, Pa.
*EARLE T. HENNINGER.....Eckert, Pa.
CLAUDE O. HOFFMAN.....New York, N. Y.
REV. AUGUST C. KARKAU.....Liberty, N Y.
REV. HOWARD H. KRAUSS.....Auburn, Pa.
BRYAN W. LAROS, B. S.....Allentown, Pa.
REV. G. JOSEPH MULLER.....Brooklyn, N. Y.
LUTHER A. PFLUEGER.....Valparaiso, Ind.
REV. FREDERICK A. REITER.....Leechburg, Pa.
J. LUTHER REITER.....Allentown, Pa.
REV. BENJAMIN L. ROMBERGER.....Allentown, Pa.
MILTON H. N. RITTER.....Macungie, Pa.
REV. CHARLES E. RUDY.....Wheeling, W. Va.
REV. JOHN W. B. SCHANTZ.....Schwenksville, Pa.
JOHN S. SCHNELLER, M.D.....Catasauqua, Pa.
REV. LEIDY B. STERNER.....Weissport, Pa.

1907.

Rev. Jacob W. Bittner.....Lititz, Pa.
Solomon J. Boyer.....Allentown, Pa.
Rev. Charles F. Dapp.....Spring City, Pa.
Rev. Willis F. Deibert.....Birdsboro, Pa.
Charles W. Ettinger.....Allentown, Pa.
Rev. Ambrose B. C. Hering.....Philadelphia, Pa.
Rev. Edward T. Horn, Jr.....Tokyo, Japan.
Harold E. Kuhns.....Egypt, Pa.
Rev. William H. C. Lauer.....Montreal, Can.
Harold K. Marks.....Allentown, Pa.
Russell C. Mauch.....Hellertown, Pa.
Rev. Arthur T. Michler.....Lebanon, Pa.
Oliver W. Nickum.....Allentown, Pa.
Walter E. Schock.....Philadelphia, Pa.
J. Myron Shimer.....Allentown, Pa.
Elmer B. Ulrich, B.S., Ph.D.....Philadelphia, Pa.

1908.

James W. Anthony..... New York, N. Y.
Sem G. Beck, B.S., M.D.....Hecktown, Pa.
Fred. L. Coleman.....Lebanon, Pa.
Charles T. Jacks.....Allentown, Pa.
Rev. A. Charles R. Keiter.....Wildwood, N. J.
Morris W. Krause.....Pennsburg, Pa.
George Kuhl, Esq. .....Allentown, Pa.
Frank H. Marsh.....Allentown, Pa.
Rev. Howard S. Paules.....Perkasie, Pa.
Rev. Paul H. Rudh.....Freeburg, Pa.
Ralph H. Schatz, Esq.....Allentown, Pa.
Rev. Harry L. Y. Seyler.....Elizabeth, N. J.
Rev. Alfred M. Stump.....Easton, Pa.
Rev. Herbert A. Weaver.....Spring City Pa.

1909.

JOHN S. ALBERT.....Chicago, Ill.
WARREN M. BEIDLER.....Great Bend, Pa.
JAMES H. S. BOSSARD, A.M. .....Allentown, Pa.
ALLEN W. BUTZ.....Allentown, Pa.
REV. FLOYD L. EICHNER.....Stroudsburg. Pa.
ALBERT C. H. FASIG, M.S. .....Allentown, Pa.
J. WARREN FRITSCH.....Allentown, Pa.
REV. DALLAS F. GREEN.....Siegfried, Pa.
BENJAMIN L. GROSSMAN.....Allentown, Pa.
REV. WALTER A. HAUSER.....Selinsgrove, Pa.
REV. RUFUS E. KERN.....Marion, Va.
CHARLES A. LAUBACH.....Nazareth, Pa.
FREDERICK A. MARCKS..... Nazareth, Pa.
CHARLES MCCORMICK .....Baltimore, Md.
HENRY R. MUELLER.....Allentown, Pa.
REV. EDGAR V. NONAMAKER.....New Germany, N. S.
PAUL M. REED.....Reading, Pa.
REV. RALPH R. RUDOLPH.....Lemoyne, Pa.
ROGER R. RUPP.....Lehighton, Pa.
J. CALVIN SCHUGER.....Philadelphia, Pa.
JOHN G. SCHUMAKER.....Hopewell, N. J.
WILLIAM B. SHELLY.....Quakertown, Pa
HAROLD W. SHOENBERGER.....Philadelphia, Pa.
JESSE L. STETLER.....Wyomissing, Pa.
REV. HERMAN D. WHITTEKER.....Emlenton, Pa.
PETER WOHLSEN.....Lancaster, Pa.
WARREN A. ZIEGENFUS .....Tamaqua, Pa.

1910.

JOHN M. ABERLY.....Newbern, N. C.
AUSTIN H. S. ERNST.....Easton, Pa.
GEARY E. EVERETT.....Bryce, Arizona.
G. HOWARD GELSINGER.....Lewisburg, Tenn.
CLAYTON C. GERNERT.....Freemansburg, Pa.
JOHN HASSLER .....Womelsdorf, Pa.
JACOB H. HORN.....Saddle River, N. J.
PAUL P. HUYETT.....Wernersville, Pa.
MARTIN S. KLECKNER.....Allentown, Pa.
ELBERT E. LANDIS.....Perkasie, Pa.
CURTIS A. MILLER.....Gratz, Pa.
KARL L. REISNER.....Millersville, Pa.

ARTHUR H. SCHMOYER.....Kutztown, Pa.
GEORGE H. SCHIERY.....Kutztown, Pa.
ASHER H. SHUPP.....Greenville, Pa.
ROY F. SHUPP.....Newbern. N. C.
KOTARO TANAKA .....Tokyo, Japan.
ROBERT R. URICH.....Allentown, Pa.
LEON F. WERLEY.....Emaus, Pa.
JOSIAH A. WERNER.....Hegins, Pa.
NATHAN B. Y. YERGER.....Oley, Pa.

1911.

RAYMOND R. AMMARELL.....West Leesport, Pa.
PHILIP S. BARRINGER.....Philadelphia, Pa.
JOHN E. BAUMAN.....Allentown, Pa.
JOHN H. BIEBER.....Kutztown, Pa.
WILLIAM E. BRANDT.....Philadelphia, Pa.
ARTHUR N. BUTZ.....Allentown, Pa.
WARREN L. EBERTS.....Bethlehem, Pa.
CHARLES L. GRANT.....Reamstown, Pa.
JOHN E. HARTZELL.....Allentown, Pa.
ROBERT E. KLINE.....Allentown, Pa.
EDGAR S. LAWALL.....Catasauqua, Pa.
HARVEY R. MILLER.....Allentown, Pa.
ROGER R. RENTSCHLER.....Hamburg, Pa.
FRANCIS H. SMITH.....Allentown, Pa.
HARRY G. STUART.....Oakmont, Pa.
PAUL C. WEBER.....Latrobe, Pa.
PAUL B. WOLPER.....Norristown, Pa.
FREDERICK C. WUNDER .....Rochester, N. Y.

1912.

HENRY J. ALTHENN.....Paterson, N. J.
HENRY J. BROBST .....Mahanoy City, Pa.
WALTER W. BROSSMAN .....Philadelphia, Pa.
LANGHORNE W. FINK .....Hamburg, Pa.
HERBERT B. FREDERICK .....Allentown, Pa.
JAMES F. HENNINGER .....Allentown, Pa.
SAMUEL J. HENRY .....Blairstown, N. J.
CLARENCE C. HUMMEL .....Catasauqua, Pa.
PAUL DEB. KEEVER .....Utica. N. Y.
ROBERT G. KLECKNER .....Allentown, Pa.

John R. Kline	Allentown, Pa.
Paul H. Krauss	Chicago, Ill.
Rowland W. Leiby	Ithaca, N. Y.
Adam F. Miller	Lebanon, Pa.
Ernest J. Reiter	Lancaster, Pa.
Edgar O. Reitz	Broadheadsville, Pa.
Walter M. Rentschler	Pottsville, Pa.
Jacob S. Savacool	Sellersville, Pa.
James B. Schock	Mt. Zion, Pa.
Henry B. Shelly	Quakertown, Pa.
Clarence M. Snyder	Sellersville, Pa.
George P. Stump	Sellersville, Pa.
Clarence C. Troxell	Cementon, Pa.
Luther F. Waidelich	Sellersville, Pa.
Harry M. Wertz	Reading, Pa.

Alumni, 749.

ALLENTOWN PREPARATORY SCHOOL.

Formerly Academic Department of Muhlenberg College.

PREPARATORY SCHOOL BOARD.

(ALSO MEMBERS OF THE CENTRAL EXECUTIVE COMMITTEE.)

REV. A. STEIMLE, Allentown, Pa.
REV. W. D. C. KEITER, Allentown, Pa.
D. D. FRITCH, M.D., Macungie, Pa.

FACULTY, 1911-1912.

FRANK SIGMAN, A.M., *Principal-elect.*
Mathematics.

IRVIN M. SHALTER, A.M., *Assistant Principal.*
Mathematics, Science, German.

HENRY R. MUELLER, A.B.,
Latin, Greek.

FRANCIS H. SMITH, A.B.,
English, History.

REV. A. T. STEINHAEUSER, A.M.,
English.

REV. C. FEGLEY, A.M.,
English.

REV. W. M. KOPENHAVER, A.M.,
Religion, German.

J. ROBERT KLINE, A.B.,
Mathematics.

CHARLES W. SMITH,
Physical Culture.

MRS. IRVIN M. SHALTER, *Matron.*

WILLIAM A. HAUSMAN, M.S., M.D.,
Visiting Physician.

ORGANIZATION.

The management of the Allentown Preparatory School is in the hands of the Principal, the Faculty and the Preparatory Board.

PURPOSE.

1. To prepare students for entrance into the higher institutions of learning.

2. To offer an excellent course for those who intend to enter business upon graduation.

3. To teach the elements of Christian manliness.

NOTE.—Young men will be prepared for the institution of their choice, classical or technical.

LOCATION.

The large and commodious buildings formerly used by Muhlenberg College are now occupied by the Allentown Preparatory School. Situated at Fourth and Walnut Streets, they are easily reached from the railroad stations. The trolley cars pass within a square of our grounds.

GYMNASIUM AND ATHLETICS.

All students of this school are members of the local branch of the Y. M. C. A. This entitles them to the use of one of the best equipped gymnasiums in Pennsylvania. It contains a swimming pool, an excellent running track, and all other apparatus needful for the physical development of the young man. Regular drills, at which attendance is compulsory, are features of our gymnasium work. Football, baseball and basketball are encouraged but not allowed to interfere with the work of the school in general or hinder the progress of the individual student.

SPECIAL FEATURES.

1. Thoroughness: a poor preparation renders a college course a torment rather than a pleasure. We want our young graduates to thank us for having made them work.

2. Careful supervision: each student is the special object of care and attention on the part of the Principal and assistants. He will be under their personal supervision in the class-room, in his room, and in the dining-room.

3. The Allentown Preparatory School is a well conducted boarding school for boys and young men. The healthy moral tone of the school cannot help but strengthen the characters of its pupils.

REGULATIONS.

The school hours are from eight o'clock a. m., to one o'clock p. m. Several periods later in the afternoon are reserved for delinquents.

The students' rooms are furnished with bed, mattress, pillow, table, chair and mirror. Students furnish their own bed-clothing and rugs or carpets.

EXPENSES.

The charges are fair and reasonable and we invite comparison with those of other institutions. The yearly charges for a day student are $70.00. The charges for a boarding student, including tuition, room-rent, board, laundry, etc., are $225. Students furnish their own text books.

The scholastic year is divided into three terms for the payment of these charges. They will be divided accordingly and payment will be due in advance.

GRAMMAR DEPARTMENT.

This department accommodates students from twelve to fourteen years of age. They have their own recitation room and instructors. The department is not large. This fact insures careful attention to the wants of each pupil.

"THE PURPLE AND WHITE."

In January, 1905, the pupils began the publication of a monthly school paper. It reflects the literary work of the School and we shall be glad to forward a copy upon application.

STUDENTS.

The following is the student enrollment:

AYMAR GILBERT, JR. ..... Allentown, Pa.
BARTHOLOMEW CALVIN ..... Allentown, Pa.
BAUDE, GEO. W. ..... Perkasie, Pa.
BAUSH, MARK A. ..... Lynnville, Pa.
BEARY, KARL ..... Allentown, Pa.
BITTNER, HOWARD ..... Schnecksville, Pa.
BITTNER. MARK R. ..... Allentown. Pa.
BECHTEL, CARROLL ..... Pottstown, Pa.
BITTNER, PAUL F. ..... Allentown, Pa.
BELLAN, JNO. M. ..... Stockdale, Pa.
BOGERT, WM. G. C. ..... Allentown, Pa.
CLAUSS, EDWIN ..... Allentown, Pa.
CLAUSS, HAROLD ..... Allentown, Pa.
CLAUSS, HOWARD ..... Allentown, Pa.
COLDREN, EARL ..... Newmanstown, Pa.
COLEMAN, LEWIS ..... Allentown, Pa.
CREVELING. GEO. S. ..... Allentown, Pa.
DAVIES, EVAN ..... Fullerton, Pa.
DENOBRIGA, JNO. F. ..... New York City, N. Y.
DETLING, JAS. F. ..... Phillipsburg, N. J.
DIEFENDERFER, FRANK C. ..... Allentown, Pa.
DIEFENDERFER, HERBERT H. ..... Fullerton, Pa.
DONECKER, EDWIN ..... Allentown, Pa.
FASKA, PAUL ..... Allentown, Pa.
FIEDLER, FRED. J. ..... Scranton, Pa.
FLOREY, RAYMOND C. ..... Wind Gap, Pa.
FOX. EDWIN J. ..... Alburtis, Pa.
FOGEL, PAUL J. ..... Bethlehem, Pa.
GANGEWER, SAMUEL D. ..... Allentown, Pa.
GASTON, RUSSEL ..... Easton, Pa.
GEHMAN, WALTER W. ..... Allentown, Pa.
HAVIR, JNO. ..... Dunmore. Pa.
HEIST, HARVEY L. ..... Allentown, Pa.
HELFRICH, PAUL M. ..... Allentown, Pa.
HELLER, JAS. R. ..... Allentown, Pa.
HEYDEN, VICTOR M. ..... Weatherly, Pa.
HIBIAN. ANDREW ..... Garfield, N. J.

HINNERSCHITZ, LEON W. ..... Allentown, Pa.
HOLMAN, ALFRED ..... Allentown, Pa.
HORN, JOHN ..... Allentown, Pa.
HUEBNER, RICHARD V. ..... Allentown, Pa.
HUFF, HARVEY R. ..... Allentown, Pa.
HUGHES, WALTER D. ..... Slatington, Pa.
HUMMEL, ALFRED L. ..... Allentown, Pa.
HUMMEL, JOSEPH J. ..... Allentown, Pa.
KEHM, HAROLD D. ..... Allentown, Pa.
KELLER. WALLACE H. ..... Allentown, Pa.
KINCER, JNO. ..... Slatington, Pa.
KIDD, PERCY C. ..... Allentown, Pa.
KISTLER, SAMUEL ..... Allentown, Pa.
KLECHNER, HARRY S. ..... Allentown, Pa.
KLINE, JNO. M. ..... Allentown, Pa.
KOCH, STANLEY A. ..... Allentown, Pa.
KOCHER, STANLEY E. ..... Siegfried, Pa.
KRAFT, HENRY C. ..... Hazelton. Pa.
KRAMER, FRED. F. ..... Allentown, Pa.
KURTZ. EMORY M. ..... Allentown, Pa.
LAZARUS, GEO. ..... Vinemont, Pa.
LEH, EARL ..... Allentown, Pa.
LEIBY, RAYMOND A. ..... Germansville, Pa.
LUTZ, J. ELMER ..... Esterly, Pa.
MACK, WM. ..... Allentown, Pa.
MARCELL, ARTHUR G. ..... Brooklyn, N. Y.
MASTERS, CARSON W. ..... Allentown, Pa.
MEACHAMER, AARON B. ..... Robesonia, Pa.
MELENDEZ, JAS. ..... Monte Alegre. Brazil.
MOHR. WM. H. ..... Allentown, Pa.
MOSSER, GEO. W. ..... Allentown, Pa.
NELSON, GEO. W. ..... Brooklyn, N. Y.
PETERS, CLARK F. ..... Allentown, Pa.
PHILLIPS, HOWARD E. ..... Allentown, Pa.
RAPAPORT, JULIUS ..... Allentown, Pa.
REINHARD, ARTHUR R. ..... Allentown, Pa.
RIEGEL, HENRY H., JR. ..... Catasauqua, Pa.
RINKER, TRUMAN ..... Hellertown, Pa.
RINN, EDWARD K. ..... Allentown, Pa.
ROAT, WALTER A. ..... Washingtonville, Pa.
SABO, EDWARD ..... Garfield, N. J.
SALCEDO, AUGUSTO ..... Lambayeque, Peru.

Salcedo, Alfredo ..... Lambayeque, Peru.
Schaeffer, Gottfried C. ..... Duncott. Pa.
Schaeffer, Quinton A. ..... Weatherly, Pa.
Scheirer, Chas. A. ..... Allentown, Pa.
Schwartz, Dalton F. ..... Allentown, Pa.
Seip. Theo. A. ..... Allentown, Pa.
Senderowitz, Morris ..... Allentown, Pa.
Shankweiler, Raymond G. ..... Allentown, Pa.
Shelly, Geo. C. ..... Allentown, Pa.
Shetlock, Bela ..... Egypt, Pa.
Sieger, Emory B. ..... Coplay, Pa.
Snyder, Geo. ..... Allentown, Pa.
Snyder, Richard S. ..... Allentown, Pa.
Solt, Irvin H. ..... Siegfried, Pa.
Surran, Francis E. ..... Phillipsburg, N. J.
Swoyze. Burton W., Jr. ..... Allentown, Pa.
Sykes, Ned R. ..... Allentown, Pa.
Thomas, Roy C. ..... Saylorsburg, Pa.
Thomas, Wm. P. ..... South Bethlehem, Pa.
Tiemann, Chas. L. ..... Brooklyn, N. Y.
Trexler, Robt. W. ..... Allentown, Pa.
Trigoso, Marcos ..... Iquitos, Peru.
Weiss, Jno. H. ..... New Tripoli, Pa.
Weitknecht, Stanley O. ..... Siegfried, Pa.
Wise, Roy ..... Allentown, Pa.
Werley. Fred. H. ..... Allentown, Pa.
Willenbecker, Jno. G. ..... Allentown, Pa.
Young, Donald R. ..... Macungie, Pa.
Zellner, Ralph E. ..... New Tripoli, Pa.
Zinszer, Harry E. ..... Allentown, Pa.

Preparatory students, 104.

INDEX

	Page
Administration Building	50
Admission, Terms of	9
Aesthetics	25
Agriculture	42
Algebra	39
Algebra, Entrance Requirements in	15
Allentown Preparatory School	91
Alumni	70
Alumni Association	62
Alumni Hall	52
Ancient Languages (see Greek and Latin).	
Arts Course	9, 10, 17
Astronomy	40
Bacteriology	44
Biblical Literature and History	23
Biology	43
Board of Trustees	3
Board of Trustees, Officers	4
Board of Trustees, Committees	4
Botany	44
Buildings	50
Calculus	40
Calendar	2
Central Executive Committee	4
Chemistry	40-42
Classical Course	9
Committees of the Board	4
Commons, The	52
Courses of Instruction	17, 23
Courses of Instruction, Classical	18
Courses of Instruction, Scientific	20
Courses of Instruction, Philosophical	19
Degrees	59
Departments of Instruction	23
Dormitories	51
Economics	37
Education	25
Elective Courses	53
Endowments and Bequests	61
English Language and Literature	31
English, Entrance Requirements in	10
Ethics	25
Examination Committee	4
Examinations, Term	53
Examinations, Entrance	9
Executive Committee	4
Expenses	60
Expenses in Administration Building	60
Expenses in Dormitories	61
Expenses, Special Students	60
Faculty and Instructors	5, 6
French	35
French, Entrance Requirements in	15
Freshmen	66
Geology	46
Geometry	39
Geometry, Entrance Requirements in	15
German	34
German, Entrance Requirements in	14
Gifts to the Library	49-50
Government	53
Grammar, Entrance Requirements in	10
Greek	26
Greek, Entrance Requirements in	10
Gymnasium	47

	Page
Historical Sketch	8
History	36
History, Entrance Requirements in	15
Instructors	5, 6
Juniors	64
Language (see English, French, etc.).	
Latin	29
Latin, Entrance Requirements in	10
Lectures, Special	7, 48
Library and Reading Room	48
Literature (see English, French, etc.).	
Literary Societies	47
Location	8
Logic	25
Luther League Hall	52
Master's Degree	58
Mathematics	38
Mathematics, Entrance Requirements in	15
Meteorology	40
Modern Languages (see English, etc.).	
Music	26
Navigation	39
Officers of the Board	4
Pedagogy	25
Philosophical Course	16, 19
Philosophy	24
Physical Education	46
Physics	41
Physics, Entrance Requirements in	16
Physiography	40
Physiology	45
Political Economy	38
Power Plant	52
Preparatory School	91
Prizes	58
Psychology	24
Public Speaking	33
Reading Room	48
Registration	53
Religion	23
Reports	54
Requirements for Entrance	9
Rhetoric	32
Rent of Rooms	61
Roman Language (see Latin).	
Romance Language (see French, Spanish).	
Rooms, Rent of	61
Saturday Teachers' Class	68
Schieren, Chas. A., Fund	56
Scholarships	54
Scientific Course	20
Seniors	64
Sociology	37
Sophomores	65
Spanish	35
Special Courses, Cost of	60
Special Lectures	7, 48
Students, List of	64
Summary of Students	69
Surveying	38
Term Examinations	53
Term Reports	54
Trigonometry	39
Trustees, Board of	3
Undergraduates	64
Zoology	44

3 0112 105864315